Photoshop Domain 3: Understanding Adobe Photoshop CS 5

Adobe Creative Suite 5

ACA Certification Preparation:

Featuring Dreamweaver, Flash, and Photoshop

Keller

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Objectives

- Identify elements of the Photoshop CS5 user interface and demonstrate knowledge of their functions.

- Demonstrate knowledge of layers and masks.

- Demonstrate knowledge of importing, exporting, organizing, and saving.
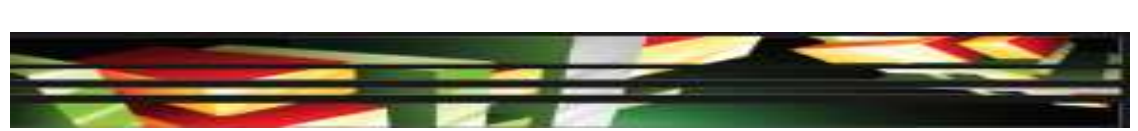
Objectives

- Demonstrate knowledge of producing and reusing images.

- Demonstrate an understanding of, and select the appropriate features and options required to implement, a color management workflow.

Vocabulary

- Application frame
- Blending mode
- Color gamut
- Color space
- Contact sheet
- Context sensitive
- Destructive editing
- Dock

- Layer mask
- Live Workspaces
- Nondestructive editing
- Rendering intent
- Smart filter
- Soft proofing
- Vector mask

Domain 3.0 Understanding Adobe Photoshop CS5

- This domain focuses on the Photoshop interface and the basic skills necessary to begin working with images.

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions

- The Photoshop workspace has a similar appearance to the other Adobe Creative Suite applications.

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

- The *Application frame* holds the workspace elements together, and if you move or resize the Application frame, the elements move together.

- As with all applications in the Adobe Creative Suite, you can customize Photoshop's workspace by arranging the various panels and bars.

- You can move panels in the workspace by clicking a panel's tab and then dragging it to a new location.

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

- The workspace switcher allows you to reset the workspace, save a custom workspace, or switch between a variety of standard workspaces.
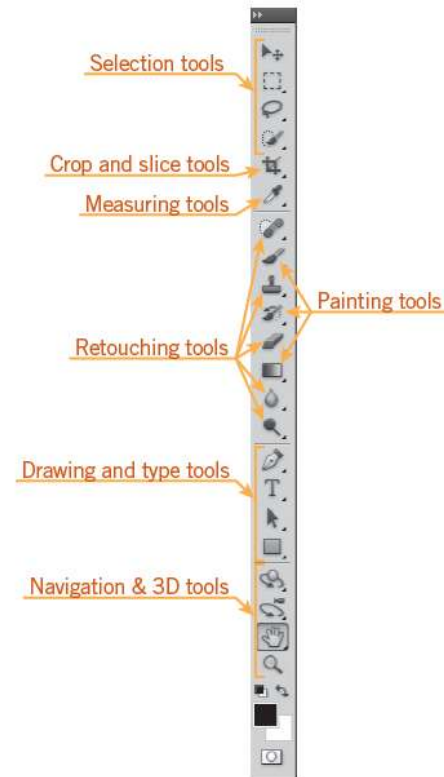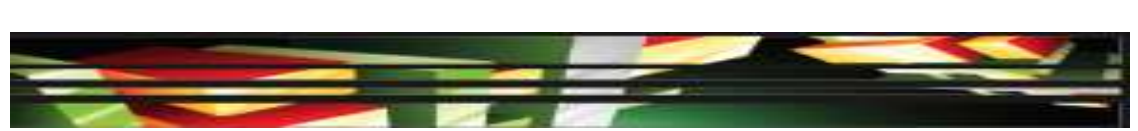

- **Live Workspaces** are a series of buttons on the Application bar that display the preset Photoshop workspaces or custom workspaces you have created.

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

● The Tools panel, also referred to as the Tool bar is organized into tool categories.

Selection tools
Crop and slice tools
Measuring tools
Painting tools
Retouching tools
Drawing and type tools
Navigation & 3D tools

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

- A context-sensitive options bar is located below the Application bar.

- ***Context sensitive*** means the options change based on the tool that is selected in the Tools panel.

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

● Selection tools allow you to select one section or multiple selections of your image.

TOOL NAME	TOOL ICON	DESCRIPTION
Move tool		Moves selections, layers, and guides
Rectangular Marquee tool		The default tool in the marquee tool group; creates a rectangular selection
Elliptical Marquee tool		Creates an elliptical selection
Single Column Marquee tool		Creates a single column selection that is 1-pixel wide and runs the height of the canvas
Single Row Marquee tool		Creates a single row selection that is 1-pixel wide and the canvas width
Lasso tool		The default tool in the lasso tool group; creates a freehand selection; the selection closes when the mouse is released
Polygonal Lasso tool		Creates straight-edge selections by clicking and dragging the pointer on the canvas
Magnetic Lasso tool		Creates a selection based on pixel color; selection "snaps" to a color; double-click to close the selection
Quick Selection tool		Creates a selection based on pixel color and by dragging the brush pointer in an image
Magic Wand tool		Creates selections similar to the Quick Selection tool; can adjust tolerance on the options bar to decrease or increase shades of the same color and the selection can be made with contiguous or noncontiguous pixels

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

● The Crop and Slice tools separate or divide an image.

TOOL NAME	TOOL ICON	DESCRIPTION
Crop tool		The default tool in the tool group; trims the area outside the crop and includes all layers; press Enter to crop or Esc to cancel the crop
Slice tool		Divides an image into smaller sections; commonly used when saving an image for the web
Slice Select tool		Selects and adjusts slices that were created with the Slice tool

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

- The Measuring tool group draws measurement lines, selects color samples, and creates comments.

TOOL NAME	TOOL ICON	DESCRIPTION
Eyedropper tool		The default tool in the tool group; selects a single pixel of color when you click the image
Color Sampler tool		Allows you to view samples of color in the Info panel by clicking the image; can create multiple samples
Ruler tool		Adjusts an image based on a line that is drawn or finds a measurement by drawing a line from one point to another
Note tool		Adds comments to an image in a precise location; notes can be hidden or shown, but do not print
Count tool		Counts the number of items in an image by adding a number each time you click the canvas

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

● The Retouching tools correct an image to remove image flaws such as scratches, red eye, and blemishes.

TOOL NAME	TOOL ICON	DESCRIPTION
Spot Healing Brush tool		The default tool in the brush tool group; removes flaws in an image based on surrounding pixels
Healing Brush tool		Similar to the Spot Healing Brush tool; corrections are applied based on preselected sampled pixels that include texture, lighting, transparency, and shading
Patch tool		Replaces marked areas of pixels in an image with preselected sampled pixels that include texture, lighting, transparency, and shading
Red Eye tool		Removes red eye from flash photos
Clone Stamp tool		The default tool in the stamp tool group; duplicates a preselected sample of an image over another area of the same image or another part of any open document
Pattern Stamp tool		Stamps a pattern from a library onto an image
Eraser tool		The default tool in the eraser tool group; erases pixels to transparent or to the background color if the layer is locked
Background Eraser tool		Removes the background color from an image or a layer; the eraser samples the color in the center of the brush when you click the image and erases that color when you drag the pointer
Magic Eraser tool		Erases similar pixels based on the color selected and the set tolerance; same as selecting with the Magic Wand tool and then pressing Delete
Blur tool		Blurs hard edges in an image to soften the edge
Sharpen tool		Sharpens edges in an image that are soft
Smudge tool		Smudges an area in an image
Dodge tool		Lightens an area in an image
Burn tool		Darkens an area in an image
Sponge tool		Changes the color saturation in an area of an image

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Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

● The Painting tools paint pixels on the canvas, which you can do on a blank canvas or in an image.

TOOL NAME	TOOL ICON	DESCRIPTION
Brush tool		The default tool in the brush tool group; paints in the document using different brush sizes and styles selected on the options bar
Pencil tool		Similar to the Brush tool; draws pencil strokes
Color Replacement tool		Replaces a color on the canvas with the Foreground color in the crosshairs pointer
Mixer Brush tool		Creates realistic painting methods, such as mixing colors on a canvas or combining colors on a brush
History Brush tool		The default tool in the history brush tool group; paints back an image based on the selected history state in the History panel
Art History Brush tool		Similar to the History Brush tool, you can add a paint style to the effect on the options bar
Gradient tool		The default tool in the gradient and paint bucket tool group; creates a gradient across the canvas; you select gradient types and samples on the options bar
Paint Bucket tool		Spills the foreground color onto the canvas

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

● The drawing and type tools are vector-based tools that draw vector paths.

TOOL NAME	TOOL ICON	DESCRIPTION
Pen tool		The default tool in the pen tool group; draws paths, creates points with a single-click; click and hold to create a Bézier curve when drawing the path
Freeform Pen tool		Draws a path automatically when you click and hold the mouse; when you release the mouse, the line is completed
Add Anchor Point tool		Adds anchor points to an existing path
Delete Anchor Point tool		Removes anchor points from an existing path
Convert Point tool		Converts an anchor point to a corner point or a curve point
Horizontal Type tool		The default tool in the type tool group; creates horizontal text; select a font, size, and other text properties on the options bar

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

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TOOL NAME	TOOL ICON	DESCRIPTION
Vertical Type tool		Similar to the Horizontal Type tool; creates vertical text
Horizontal Type Mask tool		Similar to the Horizontal Type tool; creates a selection area for the type rather than the actual text
Vertical Type Mask tool		Similar to the Vertical Type tool; creates a selection area for the type rather than the actual text
Path Selection tool		The default tool in the selection tool group; selects shapes or segments so that you can transform the shape
Direct Selection tool		Selecting a path with the Direct Selection tool displays anchors and paths, allowing you to make changes to the anchors to modify the shape
Rectangle tool		The default tool in the drawing tool group; draws rectangles; press and hold Shift to draw a perfect square
Rounded Rectangle tool		Similar to the Rectangle tool, draws rounded corners instead of 90-degree corners
Ellipse tool		Draws ellipses; press and hold Shift to draw a perfect circle
Polygon tool		Draws polygons; select the number of sides on the options bar
Line tool		Draws lines; press and hold Shift to draw a straight line
Custom Shape tool		Draws custom shapes that are available from several libraries included with Photoshop

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

- The Navigation and 3D tools navigate around your image.
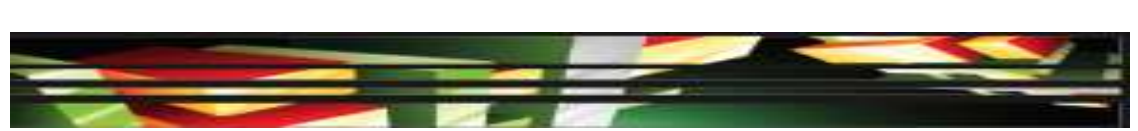
Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

- Documents are displayed in the center of the workspace and can be docked with a tab or undocked without a tab.

Tab indicates docked window

Document title bar indicates floating window

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

- Photoshop panels are organized into groups with other related panels; click a panel's tab to make it active.

- If you drag the solid bar above the tabs, you will move the entire dock.

- A **dock** is a collection of panel groups.

- A panel can float in the workspace or be docked; this is similar to displaying a document with a tab or without a tab.

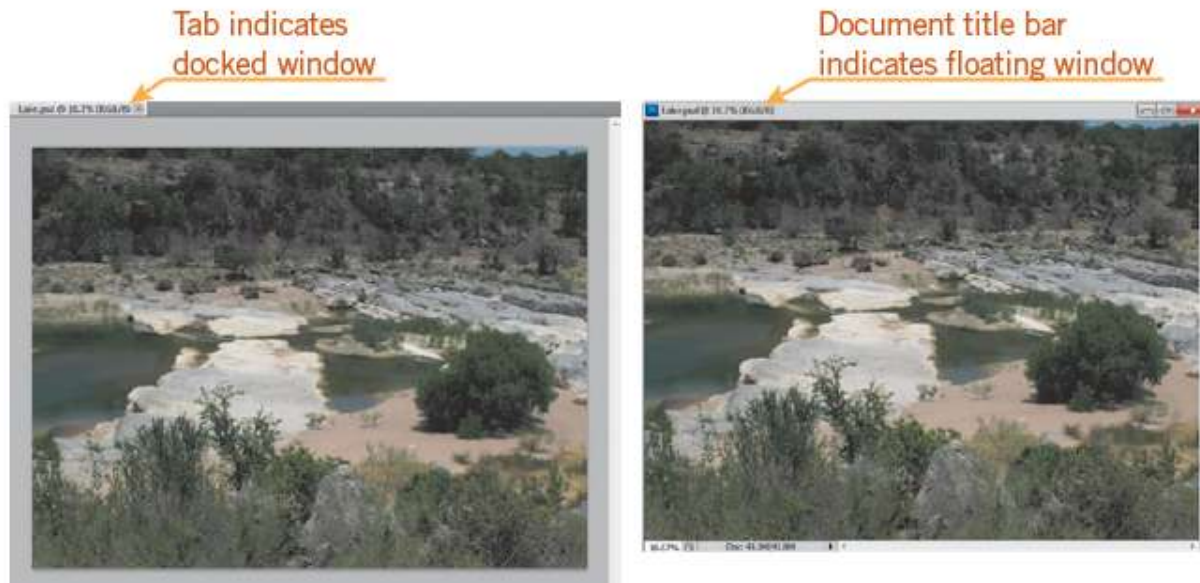**Keller**   **Adobe CS5 ACA Certification Prep**

Objective 3.1 Identify Elements of the Photoshop CS5 User Interface and Demonstrate Knowledge of Their Functions (Continued)

- You can use layers to apply nondestructive editing techniques to your images.

- *Nondestructive editing* does not alter the original image data or degrade the image.

- *Destructive editing* alters the original image, and you cannot remove or alter the edits later.

- You can create a *smart filter*, a filter applied to Smart Objects, to create a nondestructive filter effect.

Objective 3.2 Demonstrate Knowledge of Layers and Masks

- The Layers panel in Photoshop displays layers, layer effects, and layer groups that make up the image and is one of the most used panels.

Blending mode pop-up menu

Layers panel options menu

Layers panel

Expand/Collapse Layer effects

Layer group

Layer effect

Layer thumbnail

Layer

Background layer

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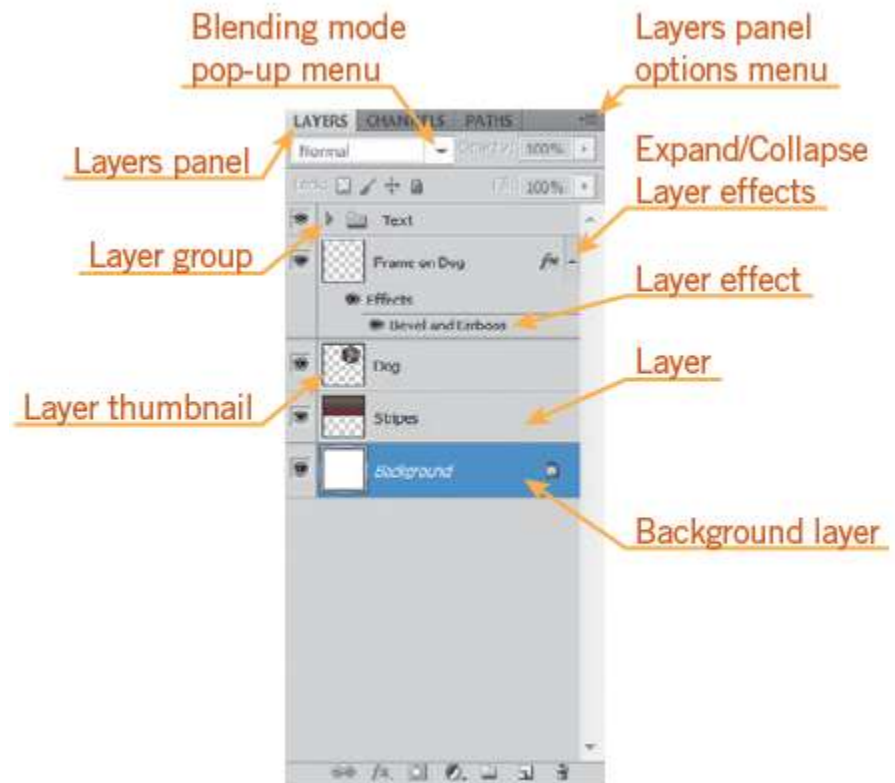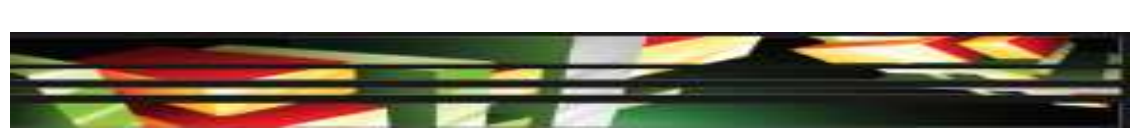
Objective 3.2 Demonstrate Knowledge of Layers and Masks (Continued)

- Layers are arranged in the Layers panel; the layer order determines the appearance of effects and elements in each layer.

- It is a good habit to name your layers. Naming layers helps you locate a layer more quickly and easily as your project begins to grow.

- Once you save a document with merged layers, you cannot undo your actions to the unmerged state.

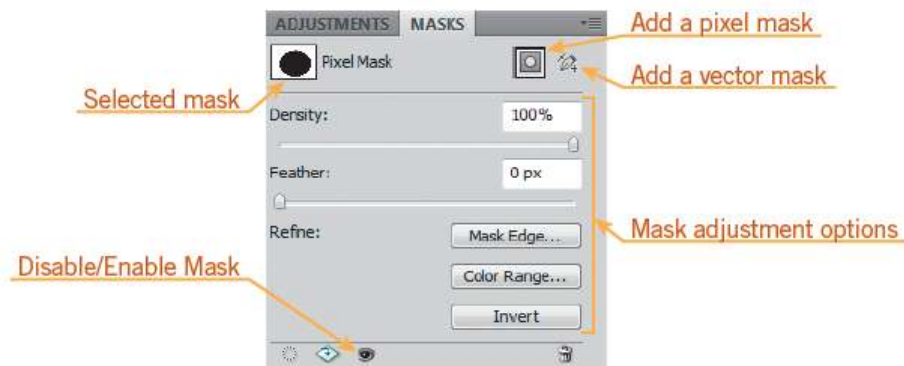# Objective 3.2 Demonstrate Knowledge of Layers and Masks (Continued)

- **Working with Masks and Modes**
- By adding a mask to a layer, you can hide or reveal portions of the image in the layer that is beneath it in the Layers panel.
- A *layer mask* is dependent on the resolutions of the bitmap images.
- A *vector mask* is independent of the resolution and is created using the Pen tool or a drawing tool.

Objective 3.2 Demonstrate Knowledge of Layers and Masks (Continued)

- **Working with Masks and Modes (Continued)**
- A layer mask is a grayscale image that you can edit with black, white, or shades of gray.
- The Masks panel allows you to make additional adjustments to the mask.

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Objective 3.2 Demonstrate Knowledge of Layers and Masks (Continued)

- **Working with Masks and Modes (Continued)**

- You can add a ***blending mode*** to an image to change how pixels in the selected layer blend with pixels in the same location in the layer just below it.
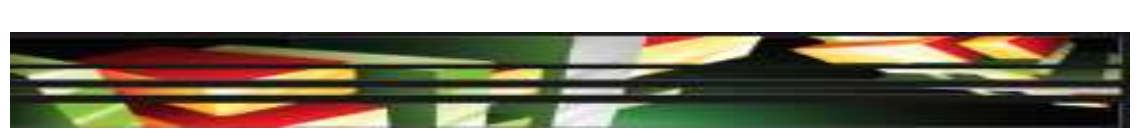
Objective 3.3 Demonstrate Knowledge of Importing, Exporting, Organizing, and Saving

- You can bring images into Photoshop using the Open command or the Place command on the File menu.

- The Open command opens each image into its own Photoshop document.

- The Place command places multiple images into a single document.

- Scanning an image is the best option when a digital version of the image is not available.

Objective 3.3 Demonstrate Knowledge of Importing, Exporting, Organizing, and Saving (Continued)

- **Image Optimization**

- The Save for Web & Devices command on the File menu provides a method to optimize images for publishing on the web and mobile devices.

- **Contact Sheets**

- You can create a contact sheet in Adobe Bridge. A *contact sheet* is a collection of images printed together in a smaller scale, often used for proofing.

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Objective 3.4 Demonstrate Knowledge of Producing and Reusing Images

- Photoshop allows you to work with Smart Objects to perform nondestructive edits so you can preserve the original image and reuse it.

- A Smart Object is indicated by an icon in the lower-right corner of the thumbnail in the Layers panel.
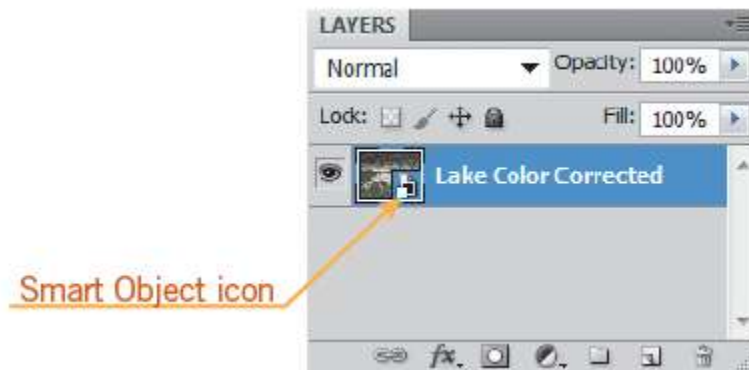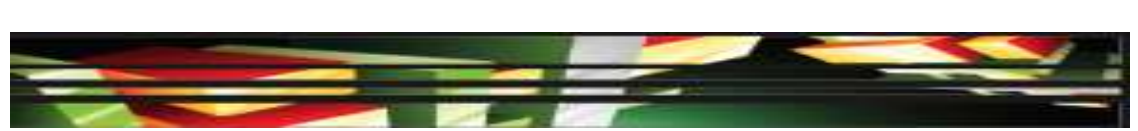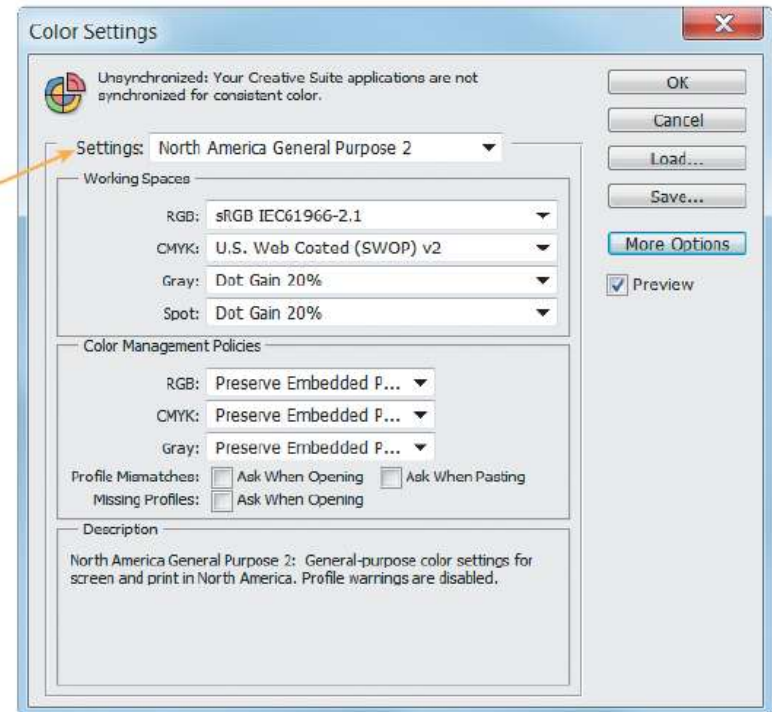

Smart Object icon

Objective 3.5 Demonstrate Understanding of, and Select the Appropriate Features and Options Required to Implement, a Color Management Workflow

- Color variations can occur at each stage when you move them from device to device.

- Each device has a limited range of colors it can display, known as its **color gamut**.

- The following factors affect why colors may vary:

  - The source of the image (such as a digital camera or scanner)

  - How color is defined in a software application

  - Choice of paper or print media

  - Variation between the colors displayed on monitors

- **Managing Color with Photoshop**

- Photoshop includes a color management system in the Color Settings dialog box that allows you to manage color settings automatically.
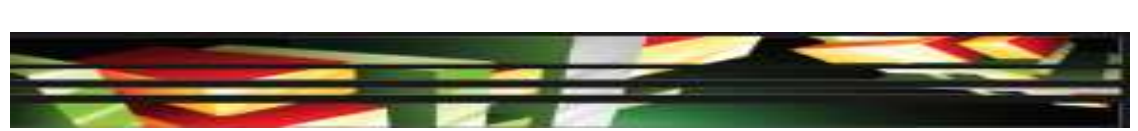
Objective 3.5 Demonstrate Understanding of, and Select the Appropriate Features and Options Required to Implement, a Color Management Workflow (Continued)

- **Managing Color with Photoshop (Continued)**

- When you open a new file, Photoshop compares the color profile in the image to the color settings that have been defined in the Color Settings dialog box.

- If the Ask When Opening check box is not selected, Photoshop automatically converts the image to the settings that have been designated in the Color Settings dialog box.
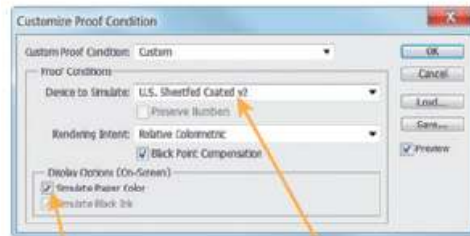
Objective 3.5 Demonstrate Understanding of, and Select the Appropriate Features and Options Required to Implement, a Color Management Workflow (Continued)

- **Managing Color with Photoshop (Continued)**
- ***Soft proo**fing simulates on screen what your document will look like when printed.
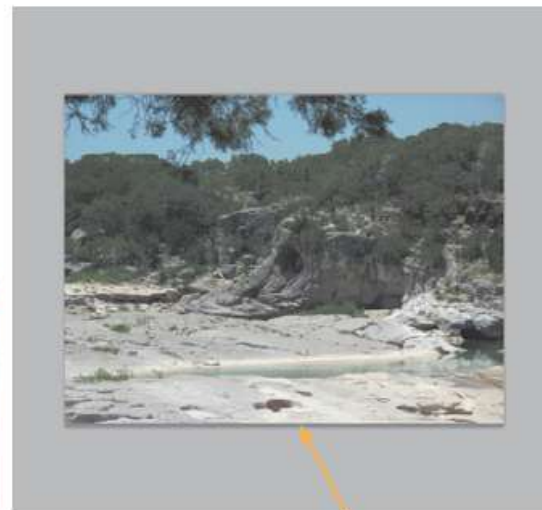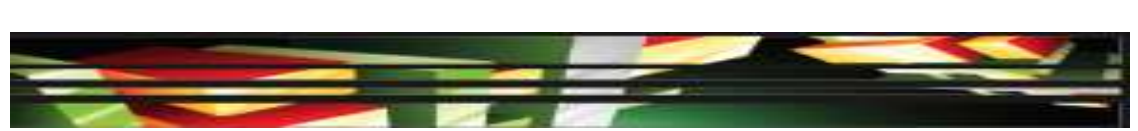

Simulate paper color check box

Device to simulate

Image preview

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Objective 3.5 Demonstrate Understanding of, and Select the Appropriate Features and Options Required to Implement, a Color Management Workflow (Continued)

- **Managing Color with Photoshop (Continued)**

- The way colors are converted from one systems to another is referred to as *rendering intent.*

- When you print a document, it is converted from one color space in your computer display and Photoshop, to another—the color space in your printer.

- A *color space* is the range of colors, or color gamut, that a camera can capture, a scanner can scan, a printer can print, or a monitor can display.

Summary

- 3.1 Identify elements of the Photoshop CS5 user interface and demonstrate knowledge of their functions.

- 3.2 Demonstrate knowledge of layers and masks.

- 3.3 Demonstrate knowledge of importing, exporting, organizing, and saving.

Summary

- 3.4 Demonstrate knowledge of producing and reusing images.

- 3.5 Demonstrate an understanding of, and select the appropriate features and options required to implement, a color management workflow.

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