

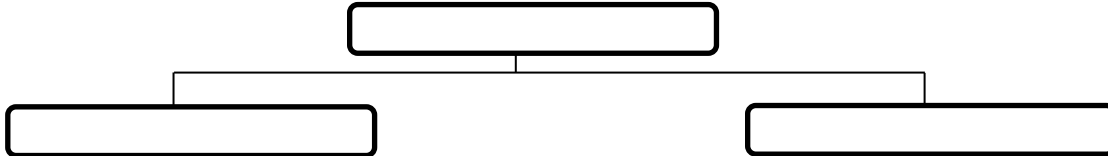
Name: _____

Date: _____

The Top Inventions of 2013: Or Are They?

Your Tasks:

1. Rank the inventions in order of “value to humanity”. Put the ranking in the left margin.
2. Create a small T-Map in the space below showing which inventions you think are real inventions and which ones Miss Kelly made up!



Sony's Smart Lens

With its large sensor, high-quality glass and 3.6x optical zoom, the Sony DSC-QX100 has all the fixings of a high-quality digital camera—but **it clips to your iPhone or Android phone**. With Sony's PlayMemories Mobile app, your phone acts as the viewfinder. Unattached, it's the remote control. The DSC-QX100 is a bit too big to fit in a jeans pocket but plenty small enough for a bag. It retails for \$499.

The Edible Password Pill

Maintaining complicated passwords is imperative if you want to avoid getting hacked, but memorizing them can be a daunting task. Enter Motorola's Edible Password Pill, which is exactly as dystopian as it sounds. Swallowed once daily, the pill consists of a tiny chip that uses the acid in your stomach to power it on. Once activated, it emits a specific 18-bit EKG-like signal that can be detected by your phone or computer, essentially **turning your body into a password**. Though the pill has cleared the major hurdle of acquiring FDA approval, it's not scheduled to hit shelves anytime soon.

Rewalk

Call it an exoskeleton or a bionic suit, but for paraplegics, it's freedom. This innovative device, developed by a quadriplegic Israeli scientist, relies on **sensors that anticipate shifts in the user's balance** and translates them into movements like walking and standing. Already available

in Europe, the suit had its prime-time debut on an episode of Glee and is being reviewed by the FDA for use in the U.S.

The Atlas Robot

It can use tools, crawl through rugged terrain and locate objects with cameras and laser range finders. The Atlas robot is intended to imitate human rescuers in disaster response and emergency recovery, although for now it's operating only in mock-up crises. Developed by Boston Dynamics with military funding, it will compete in DARPA's robotics trials in December.

SpaceShipTwo

Virgin Galactic's SpaceShipTwo promises to shuttle citizens—wealthy ones who can shell out \$250,000—into space **as early as 2014**. The ship uses a rocket motor to climb through the atmosphere, then drifts back to earth and **lands on an airstrip**. It's Virgin's bid to become the leading name in space tourism.

Nest Protect Smoke Alarm

The Nest Protect is a highly evolved makeover of a dinosaur of an appliance, the humble smoke and carbon monoxide detector. It's self-aware: if the "emergency" is just a little burning toast, **you can silence the alarm simply by waving at it**. It's also networked: all the Nest Protect units in your house talk to one another and to your smartphone.

The Hover Case

Tired of wheeling her suitcase through crowded airports, Susan Colbert, an engineer in New York, designed a suitcase with a hover feature. "You should see the looks I get in the airport!" said Susan in an interview with TIME.com. "The security officers had no idea what to make of it."

The Gravitylight

Engineers at Deciwatt were asked to build a light for less than \$10 to replace the dangerous and polluting kerosene lamps that are widely used in the developing world, especially where there's no electricity. GravityLight produces 25 minutes of light from **just the force exerted by the weight of a bag of stones, sand or water**—anything heavy.

The Gastric-Brooding FROG

Scientists at Australia's University of Newcastle have **used DNA from frozen tissue samples to resurrect embryos of a frog** extinct since 1983 that gives birth through its mouth. The Lazarus Project, as this de-extinction initiative is known, is led by Professor Mike Archer, who has his eye on the extinct Tasmanian tiger next.

The Argus II

The FDA has approved the first device that can **restore partial vision** to those who have severe retinitis pigmentosa, which can lead to **blindness**. The Argus II consists of an implanted artificial retina and a pair of glasses attached to a video unit that enables the patient to see outlines of images and the contrast between light and dark.

The 3Doodler

The 3Doodler is a new kind of pen that doodles **in three dimensions instead of two**. Essentially it works like a 3-D printer, melting and cooling colored plastic to create rigid, freestanding structures

in any shape imaginable (sort of like a hot-glue gun but better). Invented by Maxwell Bogue, Peter Dilworth and Daniel Cowen at the Boston-based toy company WobbleWorks, the 3Doodler raised over \$2 million on Kickstarter (they were shooting for \$30,000) and can be preordered online for \$99.

The Cronut

In 2013 a new fusion food joined the ranks of the ice cream cake and the turducken. The cronut—made of **croissant-style pastry that's fried like a doughnut**, filled with cream and topped with glaze—transfixed foodies when New York City chef Dominique Ansel started selling it in May. His recipe inspired imitations around the world, and customers proved willing to wait hours for a taste; scalpers were even hawking the \$5 treats for up to \$40.

The Driverless (Toy) Car

San Francisco-based Anki wants to bring robotics to the people. The company's first offering is Anki Drive, a \$200 racing game in which **toy cars can drive themselves**. The cars carry sensors that feed data to an iPhone or iPad, which players can use to control speed and position for their cars. Meanwhile, the Anki app computes actions for the enemy cars so they can **compete as craftily as the humans**.

The Sinkerator

Created by a college senior whose Albuquerque dorm did not have a dishwasher, this sink the ultimate in high-tech. Simply insert your dirty dishes into the sink and hit the button. A cover slides over the sink and the dishes are washed automatically. A drying feature dries and heats the plates to kill bacteria before the cover slides back into the counter and your clean dishes are revealed in a dazzling steam cloud.

Find out which ones are real on: <http://techland.time.com/2013/11/14/the-25-best-inventions-of-the-year-2013/?iid=tl-page-lead>