









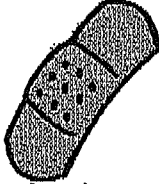

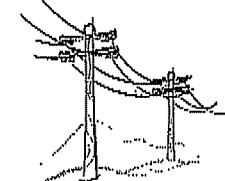
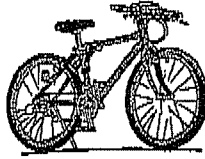




Name: _____ Date: _____

What is Technology?

Which of these things are examples of technology?
Circle all of the items that you think are technology.

 Shoes	 Subway	 Dandelions	 Cellular Phone
 Oak Tree	 Bridge	 Television	 Cup
 Bird	 Factory	 Bandage	 House
 Power Lines	 Bicycle	 Lightning	 Books




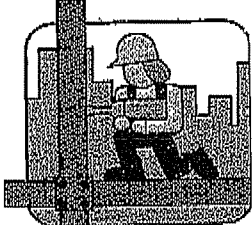
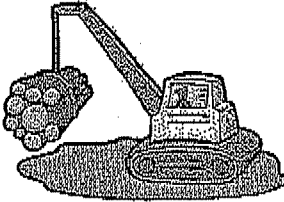
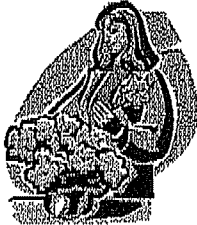


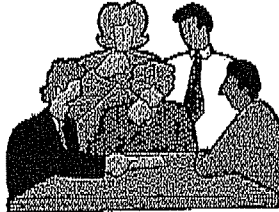

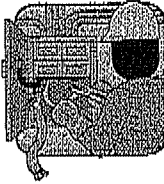
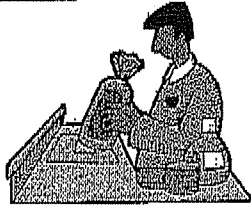
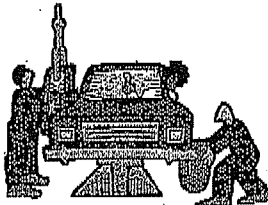
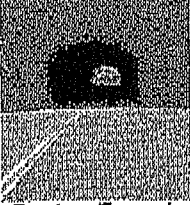


How do you know if something is technology?

Name: _____ Date: _____

What is an Engineer?

What kinds of work do engineers do?

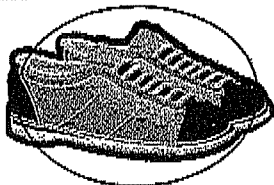
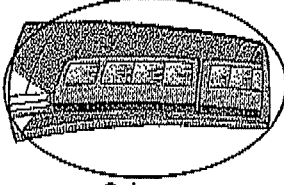


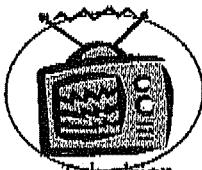
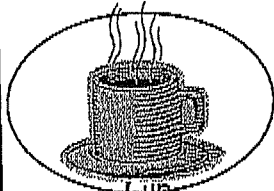
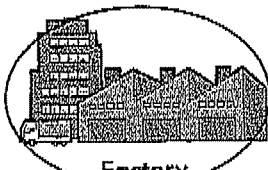
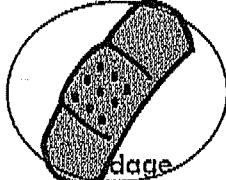
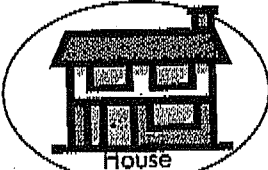
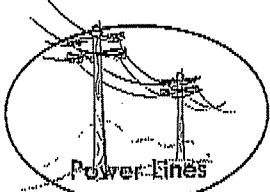
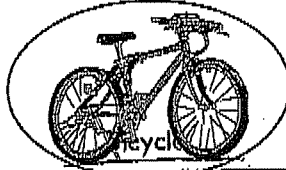
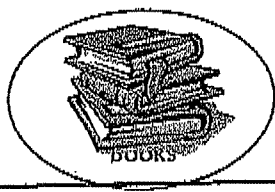
Circle the kinds of work that you think engineers do for their jobs.

 <p>Improve Bandages</p>	 <p>Develop Better Bubble Gum</p>	 <p>Design Ways to Clean Water</p>	 <p>Construct Buildings</p>
 <p>Drive Machines</p>	 <p>Arrange Flowers</p>	 <p>Read About Inventions</p>	 <p>Figure Out How to Track Luggage</p>
 <p>Work as a Team</p>	 <p>Create Warmer Kinds of Jackets</p>	 <p>Install Wiring</p>	 <p>Sell Food</p>
 <p>Repair Cars</p>	 <p>Design Tunnels</p>	 <p>Clean Teeth</p>	 <p>Write Computer Programs</p>

What is an engineer? _____

What is Technology?


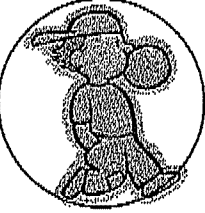
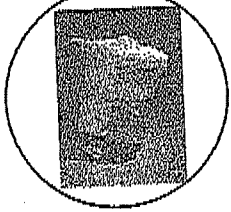
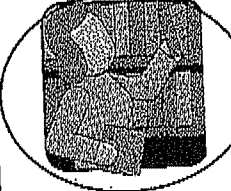


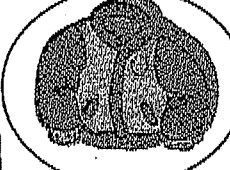
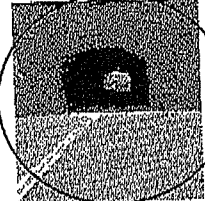

Which of these things are examples of technology?
Circle all of the items that you think are technology.

 Shoes	 Subway		 Cellular Phone
	 Bridge	 Television	 Cup
	 Factory	 Bandage	 House
 Power Lines	 Bicycle		 Books

"Broadly speaking, technology is how people modify the natural world to suit their own purposes." (Standards for Technological Literacy, p.2). Technology includes "modern" inventions such as televisions and cell phones, as well as items that are ubiquitous but often constantly being improved, such as shoes, bicycles, cups, books, and processes such as assembly of cars or methods for filtering water. It includes small items like bandages, and large items such as bridges, and houses. It includes systems such as subways and power lines and factories. Features of the natural world are not technology: including things like parrots, lightning, and most plants such as dandelions and oak trees (genetically modified corn and dwarf fruit trees, on the other hand, would be examples of technology; as well as, arguably, many breeds of dogs and cows).

Students and novice adults frequently believe that technology is only "new" things, or only machines, or only things that "have electricity" (sometimes including lightning)—these are misconceptions.

What is an Engineer?

 <p>Improve Bandages</p>	 <p>Develop Better Bubble Gum</p>	 <p>Design Ways to Clean Water</p>	
		 <p>Read About Inventions</p>	 <p>Figure Out How to Track Luggage</p>
 <p>Work as a Team</p>	 <p>Create Warmer Kinds of Jackets</p>		
	 <p>Design Tunnels</p>		 <p>Write Computer Programs</p>

Engineers are people whose job is to design new technologies or to improve existing technologies. Their job on construction sites would be to design and supervise the construction of new structures; it is not their job to pick up tools and drive machines that do the actual construction. They design and improve cars, but it's not their job to fix your family's car: that work is done by a mechanic. Similarly, an engineer might design a new kind of transformer or better wiring, but it's an electrician's job to install wiring in buildings.

Students and adult novices often believe that engineers drive trains, or do any kind of work with machines, or do construction—these are misconceptions.