

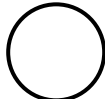

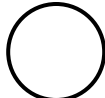

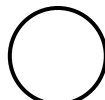

Fluids are used in technological devices and everyday materials.

Student Name _____



Class _____

Safety Procedures and WHMIS Symbols

- When special care is needed with a particular experiment or activity, this word will appear, with a note about the special care this activity requires.
 - Fragile
 - Caution**
 - Prohibited
 - STOP
- Laboratory clothing from a safety point of view should follow these guidelines ... **EXCEPT** for ...
 - Finger rings or other tight jewelry, which is not easily removed should not be worn.
 - Where infectious materials are present, lab coats and gloves are essential.
 - Sandals, open-toed shoes, and shoes with woven uppers, can be worn.**
 - Find out the recommended clothing to wear for a particular chemical.
- Which of the following statements is **TRUE**?
 - dazzling, dangling jewelry is OK in the lab, as long as care is taken
 - earphones are acceptable, provided you are careful when doing a lab
 - put your contact lenses in your eyes, as soon as you enter the lab
 - contact lenses should never be worn in the lab when working with chemicals**
- Illustrate or identify the Safety symbols

	<u>DRAW the symbol</u>	<u>IDENTIFY the symbol</u>
	Compressed Gas	 _____
	Toxic	 _____
	Oxidizing	 _____

- Identify the Lab equipment by telling what it is, or drawing what it looks like.

			
Fume Hood		Fire Extinguisher	

- Why is there an **ABC Class** fire extinguisher in the Science Lab?

The Many Uses of Fluids

7. Frost damage is a big risk for farmers who grow fruit. To help farmers protect their crops, a shaving-cream-like foam, to spray on the fruit was invented to protect the fruit. It is called ...
- A. Foam aid
 - B. Agrifoam
 - C. Fruit foam
 - D. Agriprotect
8. To move a solid, like dirt, more easily, it is mixed with water making this - a ...
- A. mess
 - B. sludge
 - C. slurry
 - D. colloid
9. Coal Mining operations originally used conveyor belts to move the coal from the mine to the processing plant, but it proved to be very expensive to continue operating in this way. They now use ...
- A. a slurry pipeline
 - B. transport trucks
 - C. very large bulldozers
 - D. monster dump trucks
10. Toothpaste contains bauxite to polish your teeth. It also contains a detergent to clean your teeth and fluoride to strengthen them. All these substances are kept together with a substance made from wood pulp. It is called ...
- A. paste
 - B. binder
 - C. pulp mix
 - D. glue
11. A change in state occurs when the energy of the particles in a substance changes. Freezing occurs when the particles in a substance ...
- A. gain energy
 - B. lose energy
 - C. share energy
 - D. move slower
12. When particles fly past each other, they cannot hold any shape, some containers can hold them. This state of matter is called
- A. solid
 - B. liquid
 - C. gas
 - D. plasma
13. Fluids demonstrate properties that can be useful. The ability of a fluid to 'flow slowly or quickly' is based on this property ...
- A. density
 - B. compressibility
 - C. buoyancy
 - D. viscosity
14. A hovercraft helps to transport people and machines across large bodies of open water. It is able to skim over the surface of the water by using a fluid that is directed downward to make it float. What is the fluid used?
- A. oil
 - B. air
 - C. water
 - D. hydraulic fluid







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- Illustrate or identify the Safety symbols

	<u>DRAW the symbol</u>	<u>IDENTIFY the symbol</u>
	Compressed Gas	 <u>BIOHAZARDOUS</u>
	Toxic	 <u>POISONOUS</u>
	Oxidizing	 <u>EXPLOSIVE</u>

- Identify the Lab equipment by telling what it is, or drawing what it looks like.

			
Fume Hood	Bunsen Burner	Fire Extinguisher	Safety Goggles

- Why is there an **ABC Class** fire extinguisher in the Science Lab?

This type of fire extinguisher is used in almost all types of fires.

The Many Uses of Fluids

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