

Student Name _____

Class _____

Section 1

Properties of Matter

1. Aluminum foam is used to create lighter, safer cars. The reason that a lighter car is a safer car is because aluminum foam is ...
- A. less rigid
 - B. much cheaper than aluminum
 - C. unable to be dented
 - D. able to absorb more impact energy

2.



This symbol means ...

- A. flammable
- B. corrosive
- C. dangerously reactive
- D. biohazardous

3.



This symbol means ...

- A. danger
- B. warning
- C. caution
- D. special care

4.

When a substance undergoes a change of state it can use energy or give off energy. The change that occurs when a substance changes from a gas to a solid is referred to as ...

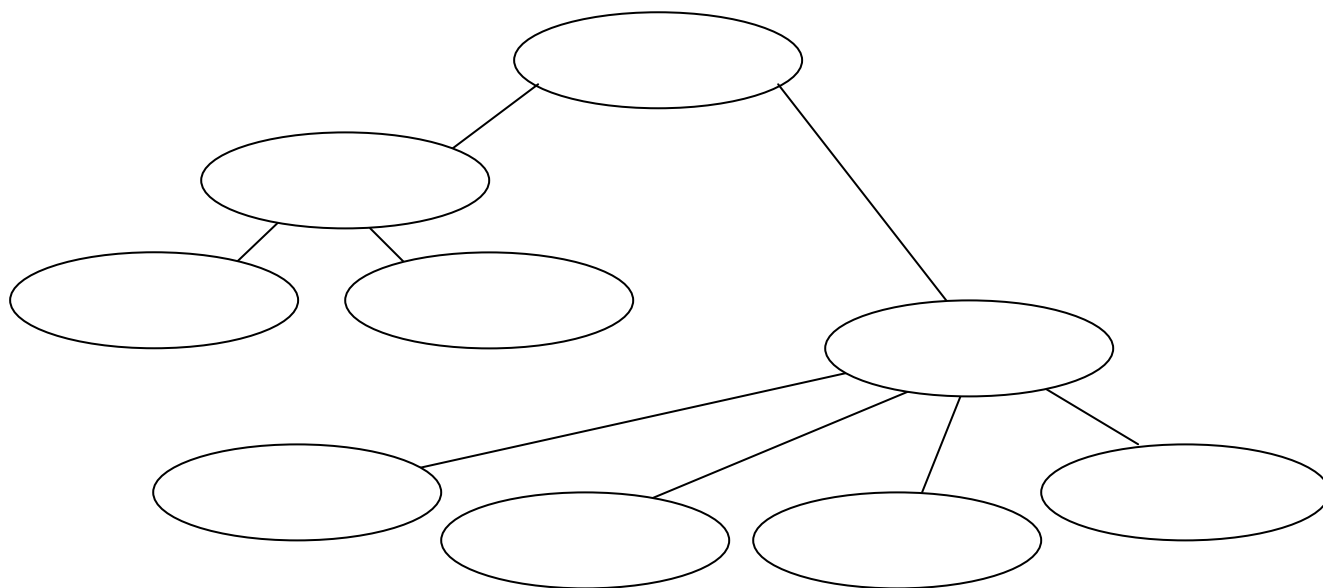
- A. fusion
- B. deposition
- C. sublimation
- D. condensation



5. A substance's ability to resist being scratched is the physical property of matter known as ...
- A. ductility
 - B. malleability
 - C. hardness
 - D. conductivity
6. An obvious chemical property of pancakes is ...
- A. the heat it gives off
 - B. ability to combine ingredients easily
 - C. the positive reversibility of the process
 - D. the new substance that appears to form
7. The difference between an element and a compound is that an element ...
- A. is a pure substance and a compound is a mixture
 - B. has only one substance, while a compound has more than one substance
 - C. can be made into a mixture, but a compound cannot
 - D. Can be a pure substance, while a compound cannot be a pure substance

8. Use the following words to complete a visual organizer, showing the relationships between and among the words provided. Use each word only once.

Pure Substances, Colloids, Matter, Solutions, Compounds,
 Mixtures, Mechanical Mixtures, Suspensions, Elements

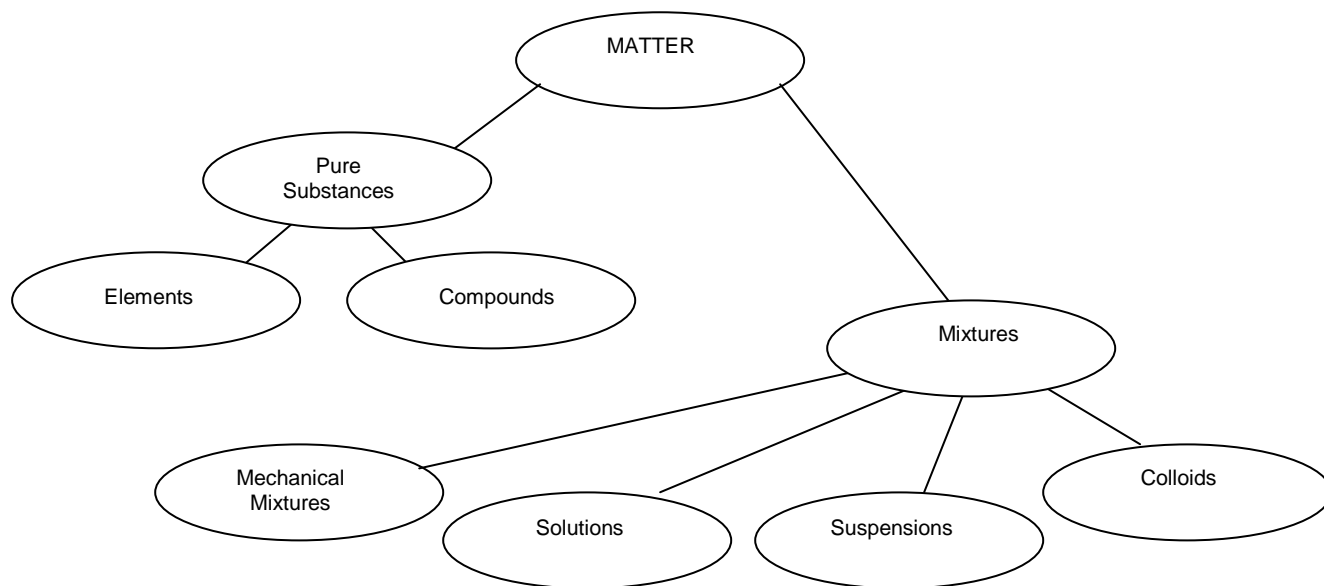


9. A cloudy mixture in which the particles of the suspended substance are so small they cannot be easily separated out is called a ...
- mechanical mixture
 - suspension
 - colloid
 - solution
10. Physical or chemical change can be identified by evidence. When a substance undergoes a chemical change the pieces of evidence used include all of the following, **EXCEPT** ...
- state
 - odour
 - colour
 - formation of a gas
11. Freeze-drying is a technique used to preserve food for long periods of time. In the freeze-drying method the first step is to ...
- add hot water
 - refrigerate the food
 - put it in a pressure chamber
 - freeze the water, in the food
12. MRE's are especially useful for astronauts, soldiers and mountain climbers. They are heated in a special package called a 'flameless ration heater'. MRE stands for ...
- Meal, Ready to Eat
 - Mission Ration Envelope
 - Military Ration Envelope
 - Meals Requiring Energy

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