

Student Name _____

Class _____

Section 1

Properties of Matter

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

2.



This symbol means ...

- flammable
- corrosive
- dangerously reactive
- biohazardous

3.



This symbol means ...

- danger
- warning
- caution
- 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 ...

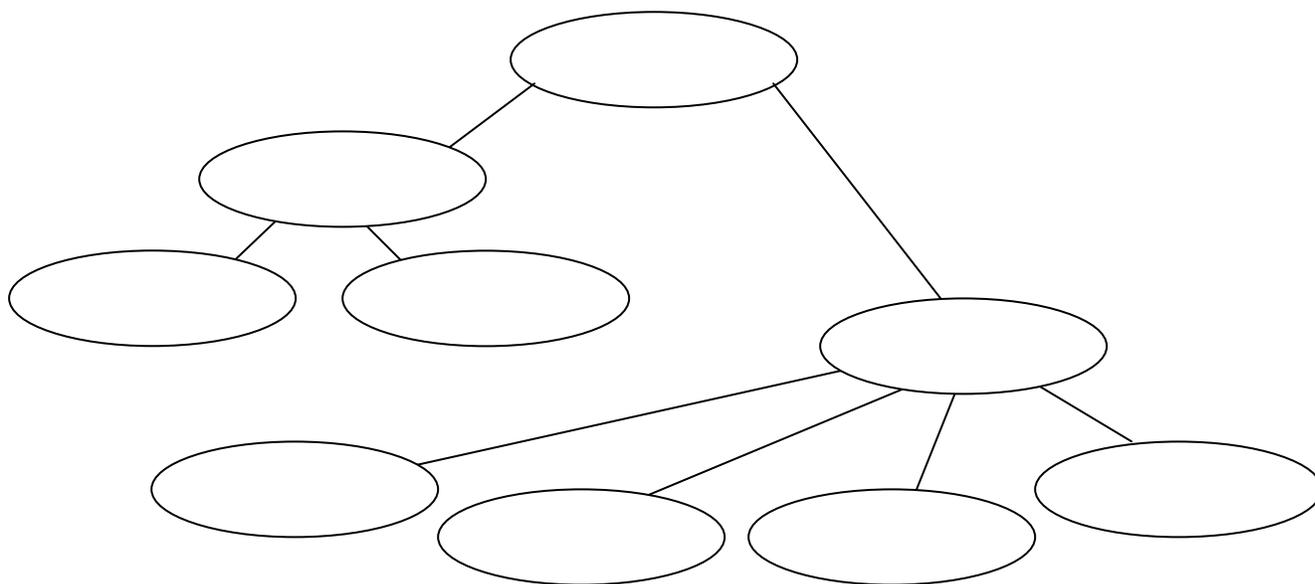
- fusion
- deposition
- sublimation
- condensation



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

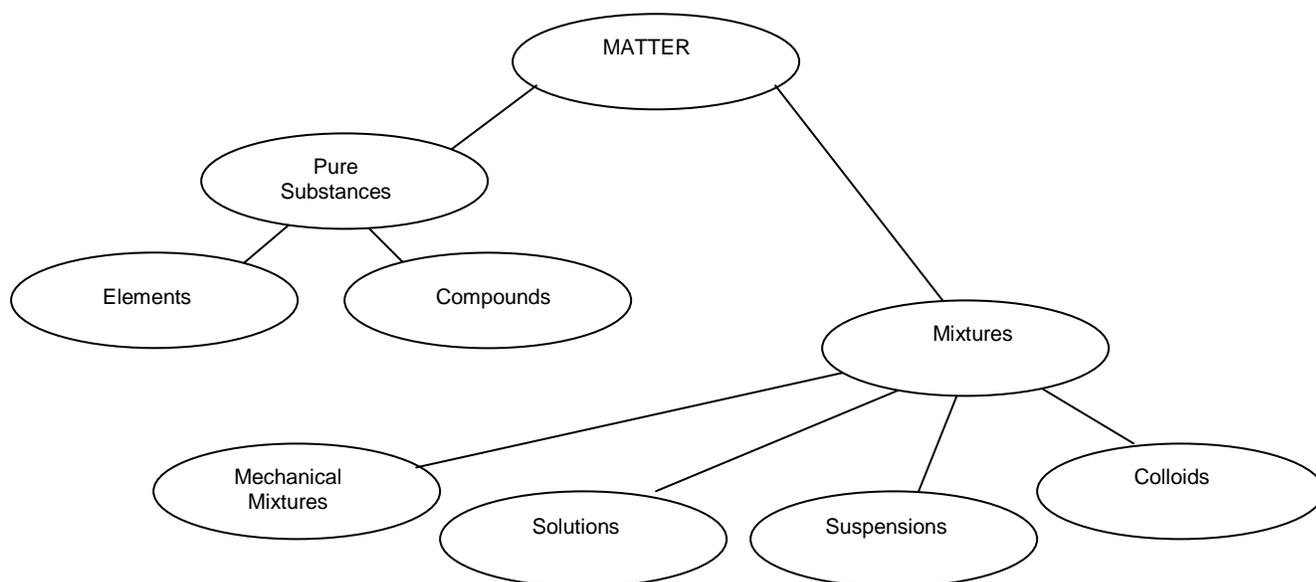


9. A cloudy mixture in which the particles of the suspended substance are so small they cannot be easily separated out is called a ...
- mechanical mixture
 - suspension
 - colloid
 - solution
10. Physical or chemical change can be identified by evidence. When a substance undergoes a chemical change 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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