# Mix and Flow of Matter Unit Test

/40

**Student Name** _____ **Class** _____

## Section 1.1 WHMIS

For each of the following hazardous products match the correct **WHMIS** symbol

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## Section 1.2 The Many Uses of Fluids

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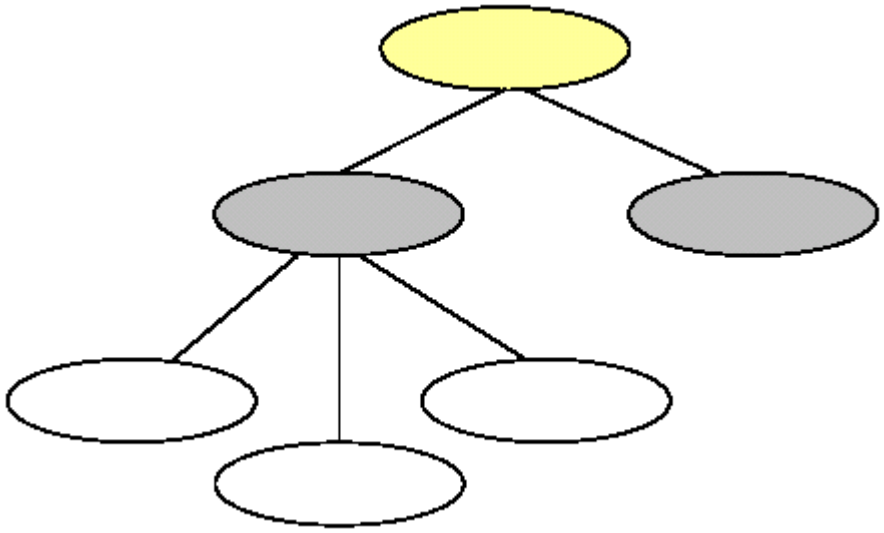

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**C.** 25g per 50ml
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**13.** The difference between a saturated and unsaturated solution is that an unsaturated solution can dissolve more …

**A.** solvent
**B.** solute
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## Section 2.3 The Particle Model and the Behavior of Mixtures

**14.** A common solution in which the solute is solid and the solvent is liquid is …

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**21.** After your dad or mom has started the cold car in the morning, they may mention that the viscosity of the motor oil would be increased by ...

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## Section 3.2 — Density

**22.** The particles in a liquid cannot support the particles of a solid, unless the ...

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**B.** liquid particles have less attractive force between them

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**23.** Which of the following statements best describes the correct difference, in terms of density

**A.** liquids are less dense than gases

**B.** gases are less dense than liquids

**C.** gases are more dense than solids

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## Section 3.3 — Buoyancy

**24.** Large ocean liners, and cargo ships, can float on the water because ...

**A.** its average density is lower than saltwater

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**25.** Fresh and saltwater systems have different densities. All cargo ships have a special line that shows how much the ship should be safely loaded so it won't sink as it goes from freshwater to saltwater. This line is called the …

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**26.** Density and buoyant force are related. As the ...

**A.** density of a fluid increases, the buoyant force decreases

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**28.** When a force is applied to a substance and the particles cannot be forced closer together the substance is said to be incompressible. What happens to the force? A. B. C. D.
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**30.** Pressure is the amount of force applied to a given area. This is measured in …
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**31.** When we suck on a straw in a Tetra Pak juice container, the sides of the container collapse. This happens because ...
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**34.** **‘ S C U B A ’** stands for ...

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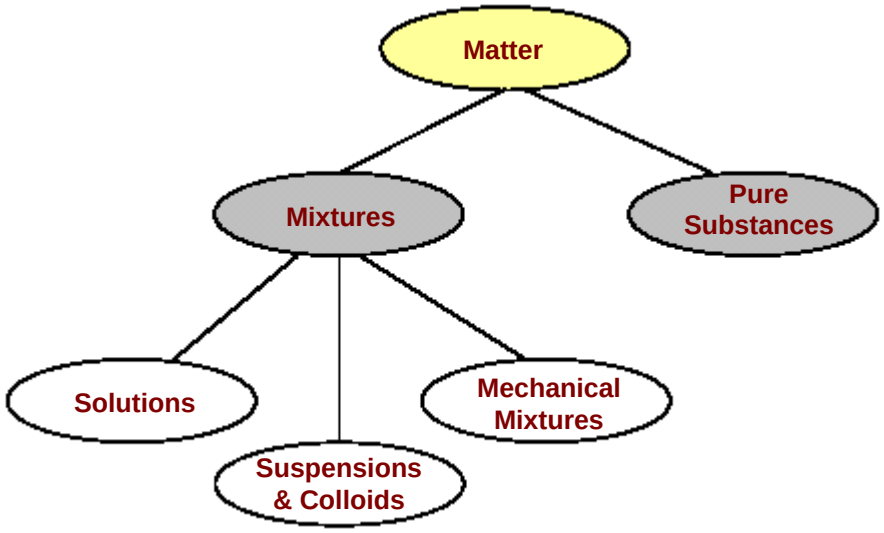


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