

Name: _____

Matter + Mixtures Quiz

1. Define “matter”.
2. Draw the classification of matter diagram.
3. In your own words, explain how we can tell something is a solution. Use an example to support your explanation.
4. In your own words, explain how we can tell something is a mechanical mixture. Use an example to support your explanation.

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5. Give an example of the following types of special heterogeneous mixtures:

Suspension: _____

Colloid: _____

Emulsion: _____

6. Below, I have given you the definitions of three different ways of separating mixtures. What are the names of these methods?

_____ uses boiling to separate mixtures of liquid solutions. When the mixture reaches boiling point, the liquid will turn to vapour (steam). The vapour travels up to the condensing tube, cools and condenses back into liquid in a different container.

_____ uses a piece of mesh or screen to separate a **suspension** mixture where small solid particles are mixed with liquid or air.

_____ uses a mechanical device that spins at extremely high speeds. These high speeds cause the solid particles in suspension mixtures to settle (separate) very quickly.

7. Bonus: describe the process of extracting Eucalyptus oil, using scientific terminology.