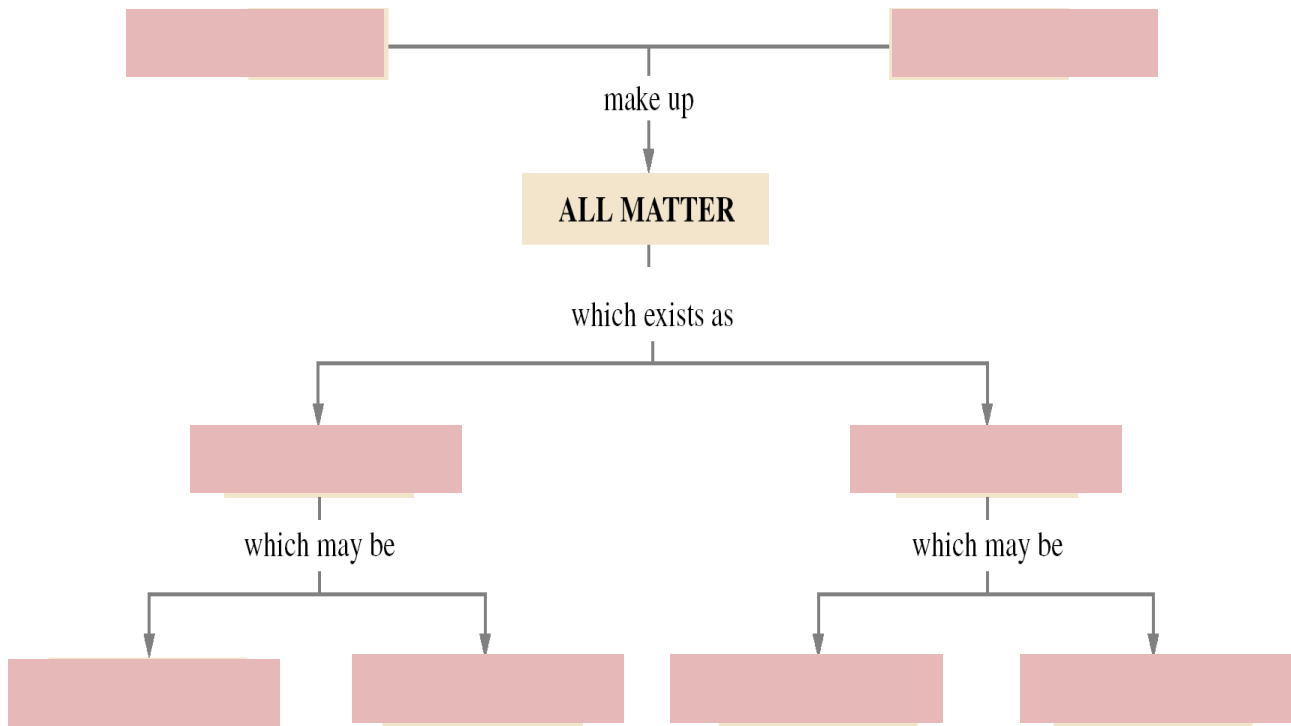


NAME: _____

Classifying Matter WORKSHEET 1

1. Fill up the missing terms:



2. Define the following terms which MAKE UP all matter:

Atoms:

- DEFINITION:
- Draw a picture of an atom (with orbits and subatomic particles) and indicate which atom the picture represents:

Molecules:

- DEFINITION:
- Give 3 example of a diatomic molecules
- Give 3 examples of triatomic molecule

3. Define the following terms in which all matter EXISTS as:

Elements:

- a. DEFINITION:
- b. What type of elements there are? Give an example of each!

Compounds:

- a. DEFINITION:
- b. Give 3 examples of a compound containing oxygen
- c. Give a name of one of the methods that is used to decompose pure substances into simpler compounds.
BONUS: give a chemical equation for this process.

MIXTURES:

DEFINITION:

Homogenous mixtures:

- a. Solutions:
- b. Colloids

Heterogeneous mixtures:

- a. Suspensions

How are different types of mixtures different from each other?

Type of Mixture	Tyndall Effect (Yes/No)	Particles will settle out (sediment) (Yes/No)	The approximate size of particles	Number of different phases
Solution				
Colloid				
Suspension				

4. Give 5 examples of solutions and for each identify a solute and a solvent:

SOLUTION	SOLVENT	SOLUTE