

Name: _____

Hour: _____ Date: _____

Chemistry: Classifying Matter Activity

Directions: Write the name of each material next to the proper number and briefly describe each material. Then, state whether the material is a **pure substance** or a **mixture**. If the material is a pure substance, further classify it as either an **element** or **compound** in the right column. Similarly, if the material is a mixture, further classify it as **homogeneous** or **heterogeneous** in the right column.

	Material	Description	Pure Substance <u>OR</u> Mixture	Element / Compound <u>OR</u> Heterogeneous / Homogeneous
1	nitric acid solution			
2	sulfur			
3	bird seed			
4	copper sulfate solution			
5	calcium nitrate			
6	tap water			
7	copper			
8	nickel sulfate solution			
9	E-Z pour sand			
10	distilled water			
11	sodium chloride			
12	iron chloride solution			
13	zinc			
14	graphite			
15	copper sulfate			

	Material	Description	Pure Substance OR Mixture	Element / Compound OR Heterogeneous / Homogeneous
16	concrete			
17	calcium carbonate			
18	potting soil			
19	brass			
20	Cracker Jack			
21	air inside a balloon			
22	soda pop			
23	maple syrup			
24	baking soda			
25	2% milk			
26	table sugar			
27	oil-n-vinegar dressing			
28	blade of a knife			
29	lemon juice			
30	cream of mushroom			