

Substance	Appearance	Texture	Smell	Reaction to Water	Reaction to Iodine	Reaction to Vinegar
Unknown substance #1						
Unknown substance #2						
Unknown substance #3						
Unknown substance #4						

**Directions:** Record your observation in the table above. Once done, ask someone to give you an unknown substance from this group and see if you can identify it based on your observations during lab. Possible substances are sugar, salt, baking soda, & cornstarch. Adapted from Wiese, J. (1996) *Detective Science*. New York: John Wiley & Sons, Inc.