



Assessment Date: ____/____/____ Student: _____ Examiner: _____

Words Read Correctly (WRC): ____ Errors: ____ Notes: _____

Physical vs Chemical Properties Part 1

Physical Properties	2
In your description of your classmate, things like hair or eye color,	14
height, and weight are all physical properties. They are physical	24
features of the person you are describing and the things you can	36
see or observe. In science, physical properties can include things	46
you see plus such things as the melting point, boiling point, freezing	58
points, color, shape, and odor. They describe a substance. The size	69
of the sample doesn't change these properties. An ounce of water	80
will freeze at the same temperature as a gallon of water. A small	93
piece of gold is the same color as a large nugget.	104
 Physical Mixtures	106
Often several things are mixed together. If the substances remain	116
what they were before they were mixed, it is a physical mixture. For	129
example, if you have a cup of green M&Ms and a cup full of blue	144
M&Ms but decide you want to mix them all in one bowl, you can do	159
so. In the bowl, the green M&Ms are still green M&Ms and the blue	173
M&Ms are still blue M&Ms. They have not changed and still have	185
the same physical properties even through they are mixed with	195
other things. If you decide to "unmix" them, you can separate them	207
into a cup of blue and a cup of green M&Ms. This is a physical	222
mixture. It doesn't change what they are, only where they are.	233



Physical Properties

In your description of your classmate, things like hair or eye color, height, and weight are all physical properties. They are physical features of the person you are describing and the things you can see or observe. In science, physical properties can include things you see plus such things as the melting point, boiling point, freezing points, color, shape, and odor. They describe a substance. The size of the sample doesn't change these properties. An ounce of water will freeze at the same temperature as a gallon of water. A small piece of gold is the same color as a large nugget.

Physical Mixtures

Often several things are mixed together. If the substances remain what they were before they were mixed, it is a physical mixture. For example, if you have a cup of green M&Ms and a cup full of blue M&Ms but decide you want to mix them all in one bowl, you can do so. In the bowl, the green M&Ms are still green M&Ms and the blue M&Ms are still blue M&Ms. They have not changed and still have the same physical properties even though they are mixed with other things. If you decide to "unmix" them, you can separate them into a cup of blue and a cup of green M&Ms. This is a physical mixture. It doesn't change what they are, only where they are.