
PLEASE SUBMIT YOUR WORK THROUGH GOOGLE CLASSROOM

1. **On December 19, THE LAST SUNDAY BEFORE THE WINTER BREAK**, we will play a TRIVIA GAME based on what we have learned/reviewed so far.

Please read the game description that will be posted separately in the classroom and begin to study. You need to start reviewing ALL posted Lectures.

2. Try to classify each of the following substances as an element, compound, homogeneous mixture, or heterogeneous mixture (you may want to do some research on composition of each substance; *reviewing Lecture #8 will help you classify*):

- a. Air
- b. Baking soda
- c. Garden soil
- d. Fine quality paper
- e. Mercury (liquid inside old-fashioned thermometers)
- f. Carbon dioxide
- g. Chicken noodle soup
- h. Snow
- i. Pure oxygen (gas in airplane oxygen masks)
- j. Hand sanitizer

3. In 2018, Elon Musk launched a red Tesla sports car into orbit around the Sun. Do you think the car can develop any *rust* as it “speeds” through space? 😊