

Science 8

Assignment 2 due: Tuesday September 22 P 1

Answer all questions fully. Write neatly.

1. What are the two basic divisions of matter when describing what they are made of?
2. What is the definition of a pure substance?
3. What does the prefix hetero- mean?
4. What is the name given to a homogeneous mixture where no settling occurs?
5. Give 3 examples of homogeneous mixtures where no settling occurs
6. Draw a “flow chart” with questions that you could use to classify a substance.
(HINT: start with “Does your substance have only 1 set of physical properties?”)
7. What is a suspension?
8. A colloid is a heterogeneous mixture in which the particles will not settle easily. What can you add to a colloid to make it take even longer for the substance to settle?
9. What is a “phase”?
10. Milk and orange juice are not solutions. In orange juice there is still pulp, in milk there is still fat. What is the process that of making a solution called?
11. Draw a diagram of what happens with the particles of a fruit drink powder when you mix it with water.
12. Why is water called the universal solvent?
13. What does “agitation” mean when talking about mixtures?
14. Draw a diagram of the particles in a solution that is saturated.
15. What does insoluble mean?
16. Why do you need to add detergent to your washing machine to remove greasy stains from clothing?
17. What does WHIMIS mean?