

Mix and Flow of Matter - Practice Quiz Questions

Identify 4 **Safety Guidelines** that are **NOT** being followed by students in the following illustration on your answer sheet.



1. On Answer Sheet
2. On Answer Sheet
3. On Answer Sheet
4. On Answer Sheet

5. Which of the following statements is **TRUE**?
 - A. carelessness will result in precise results
 - B. the baggy look is in, especially in the science lab
 - C. it's cool to wear protective shoes in the science lab
 - D. long hair, shades and awesome scarves are the rule in science
6. Laboratory clothing from a safety point of view should follow these guidelines ... **EXCEPT** for ...
 - A. Finger rings or other tight jewelry, which is not easily removed, should not be worn.
 - B. Where infectious materials are present, lab coats and gloves are essential.
 - C. Sandals, open-toed shoes, and shoes with woven uppers, can be worn.
 - D. Find out the recommended clothing to wear for a particular chemical.

Identify these WHMIS labels. Write the answers on your answer sheet.



7.



8.



9.



10.

11. Anything that has no fixed shape and can flow and usually is a liquid or a gas is called a ...
 - A. hydraulic
 - B. solid
 - C. compressed gas
 - D. fluid
12. To move a solid, like dirt, more easily, it is mixed with water. The mixture is called a ...
 - A. mess
 - B. sludge
 - C. slurry
 - D. colloid
13. Syncrude originally used conveyor belts to move the oil sand from the mine to the processing plant, but it proved to be very expensive to continue operating in this way. They now use ...
 - A. a slurry pipeline
 - B. transport trucks
 - C. very large bulldozers
 - D. monster dump trucks
14. When particles slip past each other, they cannot hold their shape, but take the shape of the container they are in. This state of matter is called
 - A. solid
 - B. liquid
 - C. gas
 - D. plasma
15. Fluids demonstrate properties that can be useful. The ability of a fluid to 'flow slowly' is based on this property ...
 - A. density
 - B. compressibility
 - C. buoyancy
 - D. viscosity

Unit A - Section 1.0 and 2.0 Quiz – Answer Sheet

Name: _____

Class: _____

1. _____
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16. A material that has two or more components that are easy to see is called a
_____.

17. A _____ is the result of a paper chromatography investigation.

18. In a solution, the solute is dissolved in a _____.

19. When no more solute can be added, the solution has reached its _____.

20. An aqueous solution means that the _____ is water.

21. What is the difference between a pure substance and a mixture?

22. **Explain** the difference between saturated and unsaturated solutions.

23. **List** the four key points of the particle model of matter.

24. Using the particle model of matter, **describe** the **three** factors that can influence the rate of dissolving.

25. Which concentration is more **diluted**? Show your work.

a) 10g/100ml vs. 20g/150ml

b) 50g/200ml vs. 100g/50ml

26. What is the universal solvent?
