Science Test Review (Particle Theory of Matter)

1) What is matter?

2) What are examples of matter? Examples of non-matter?

3) What are the 3 different phases or states of matter that are most prevalent on earth? Provide three points for identifying each phase. What is the main difference between the states of matter?

4) What is the most abundant state of matter in the universe? What are some examples of this state of matter?

5) What is all matter made up of?

6) Name the parts of the particles that make up all matter?

7) What are elements? How many are there? Provide two examples and explain why they are important.

8) Explain “Absolute Zero”.

9) Do gasses like air or oxygen have mass? What proof have you seen?

10) What is the difference between a CHEMICAL CHANGE AND A PHYSICAL CHANGE? Provide examples for each?

11) How do chemical reactions occur?

12) Provide at least 5 examples of chemical reactions.

13) What is created when a chemical reaction occurs with Sodium and Chlorine? (Na and Cl) What is unusual about the mixing of these two chemicals?

14) What is the main conclusion that we should have arrived at from completing the “Pendulum Lab”?

15) What did our “Ball Drop”/ “Galileo” demonstration show us?

16) Why didn’t the dollar bill burn in our “Burning Money” demonstration? (Explain what happened)

17) a) What are the three factors necessary for a fire?

 b) How can this knowledge help us in fighting fires? (Be specific)

18) What types of Chemical Reactions occurred in our Baggie Science Lab? How can we use the information we learned. (At least three applications)

19) Define the following: a) catalyst b) indicator

20) What did our “Static Wand” Demo tell us about all atoms/matter?

extra review questions

-draw and label an atom

What are the changes of state called? What is unusual about Dry Ice?

5 points of the particle theory of matter

exothermic

endothermic