Matter Spiral Review

Activity #1

1) The height of tomato plants depends on the amount of fertilizer they receive.

I: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ C: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) Different brands of candles burn at different speeds.

I: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ C: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) The hotter the temperature, the faster a chocolate bar with melt.

I: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ C: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) I get fewer signatures when I am less disruptive in science class.

I: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ C: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Activity #2

5)

|  |  |  |
| --- | --- | --- |
| Each block represents: | blocks stuck together represent: | **WORD BANK**  Atom  Element  Compound  Molecule  Oxygen  Proton |
| All blocks that are the same represents | When different blocks are together, it makes a |

6) What is it called when a substance is only made of ONE type of atom?

Can this be broken down any more? Why/why not?

7) What is it called when a substance is made of two or more types of atoms?

Can this be broken down any more? Why/why not?

8) Activity #3

9) Activity #4

Metal Rod Metal Bracket Steel Ball

|  |
| --- |
| Aluminum- 2.7 g/cm3  Nickel – 8.9 g/cm3  Mercury- 13.6 g/cm3  Silver-10.5 g/cm3  Steel- 8.1 g/cm3 |

\*How would you find the volume of a solid object? \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10) Activity #5

|  |  |
| --- | --- |
|  |  |

a. Particle Size

b. Particle Mass

|  |  |
| --- | --- |
|  |  |

c. Particle Arrangement

|  |  |
| --- | --- |
|  |  |

