

Descriptive chemistry Q/A sheet:

- 1) What common compound makes up chalk, limestone, and marble?
- 2) I am a red liquid, and I am diatomic.
- 3) I am the 3<sup>rd</sup> most abundant element on earth.
- 4) I have a resonance structure, I am made of oxygen, and I protect you from the sun.
- 5) I am a pale green gas, very toxic to inhale, and can be given off when HCl is reduced.
- 6) I am a silvery liquid, and used to be in thermometers.
- 7) Candles on a birthday cake can be made to burn "colors". What ions may be added to the candle wick of each candle to burn:

Crimson red \_\_\_\_\_

Purple \_\_\_\_\_

Green \_\_\_\_\_

Yellow \_\_\_\_\_

Yellow/green \_\_\_\_\_

- 8) I am an element who has allotropes. One of which is diamond.
- 9) I am the element who is 1<sup>st</sup> in abundance in earth's crust.
- 10) I am yellow and my elemental structure is to bond in rings of 8 ( $X_8$ ). Who am I?
- 11) I can be white or red, I am a solid at room temperature, and my elemental structure is to bond in ( $X_4$ ).
- 12) Name at least 2 elements in steel? Which element has the larger atomic size?
- 13) Name a strong base.
- 14) Name a strong acid.
- 15) Name the 7 diatomic elements.
- 16) Draw a model of a nitrogen. Draw a model of  $\text{FeBr}_2$  being dissolved into water.

↳ (aka... aqueous solution of  $\text{FeBr}_2$ )