**WHAT IS GLAZE**

**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_ PERIOD: \_\_\_\_\_\_\_\_\_\_**

**Directions: Complete each question with either one word if a line is drawn or a complete sentence where you don’t see a line. For 2 bonus points draw a smiley face on the top right corner ☺**

1. How does Clay compare to Glaze?
2. What are two reasons why you might want to glaze a piece?
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ causes the elements in glaze to melt.
4. \_\_\_\_\_\_\_\_\_\_\_\_ turns to \_\_\_\_\_\_\_\_\_\_\_\_\_ when it is melted. This causes a glassy surface.
5. What is the purpose of flux?
6. What is the purpose of Alumina in glaze?
7. The appearance of glaze depends on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as well as the additional colorants and firing of the kiln.
8. Identify 3 ways to heat clay:

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What occurs to glaze when O2 is present?
2. What occurs to glaze when little to no O2 is present?
3. What is the purpose of the first kiln firing?
4. What is the purpose of the 2nd kiln firing*? (hint: vitrification is the process of turning a substance to glass.)*
5. Describe the change in fire color in respect to what occurs in the clay:
6. If we fire at cone 04 make an inference as to what that temperature might be by estimating from the data you are given.

Put you name on the paper and submit it in the middle tray