

## DIAMONDBACK DAY LESSON PLAN

### **LESSON TITLE:** NATURAL EXPLOSIONS

**OBJECTIVE:** The student will show their understanding of the process of an explosive volcanic eruption by drawing a step-by-step diagram of the explosive volcanic eruption lab.

**EQUIPMENT/MATERIALS NEEDED:** They will need paper, pencils, and colored pencils OR crayons OR markers.

**LESSON SET:** The teacher will do the explosive volcanic eruption lab for the students as a reminder of Tuesday's activities.

**ACTIVITY/PRACTICE:** The students will first sketch the steps of the lab and label the steps and the materials used in the lab. Then, they will color their completed diagram. Once colored, the students will explain what the lab steps simulate in a real explosive volcanic eruption.

**OUTCOME:** The students will show their understanding of explosive volcanic eruptions in their completed diagrams.

**CHECK OF EFFECTIVENESS:** The students will take a quiz on explosive volcanic eruptions using the Smart Board and clickers.

## QUIZ

1. What did this lab simulate?

- A). Explosive volcanic eruptions
- B). Slow volcanic eruptions
- C). An earthquake
- D). The flow of lava on the ground

2. Explosive volcanic eruptions happen slowly.

- A). True
- B). False

3. Adding vinegar to the baking soda mixture represents an inactive volcano.

- A). True
- B). False

4. What does the baking soda-vinegar mixture represent?

- A). An inactive volcano
- B). The volcanic eruption
- C). Lava left over from the eruption
- D). It represents nothing

5. What did the baking soda in the cup represent?

- A). The volcanic eruption
- B). The lava left over from the eruption
- C). Nothing
- D). An inactive volcano

## QUIZ ANSWERS

1. What did this lab simulate?

A). Explosive volcanic eruptions

2. Explosive volcanic eruptions happen slowly.

B). False

3. Adding vinegar to the baking soda mixture represents an inactive volcano.

B). False

4. What does the baking soda-vinegar mixture represent?

C). Lava left over from the eruption

5. What did the baking soda in the cup represent?

D). An inactive volcano