

Volcano Jeopardy

Objective:

To play a fun game of jeopardy that is focused on volcanoes.

Background Information:

This game is a nice follow up activity to “Exploding Volcano”, where the students make a model of volcanoes using vinegar, baking soda and play dough. Students learn some basic facts about volcanoes during that lesson, and Volcano Jeopardy requires students to draw upon those facts. However, this activity can be used by itself if students have not made volcanoes. Some questions are easier than others, so they most likely will be able to answer a lot of these questions anyways. Read through the directions and make sure you have read through the jeopardy questions and answers. Be prepared for the game to get a little competitive!

Preparation:

1. Write the following chart on the board:

Terms	Geography	Facts	Random
100	100	100	100
200	200	200	200
400	400	400	400
600	600	600	600

2. Print out a copy of “Volcano Jeopardy Questions” at the end of this file. These are the questions that correspond to the chart that you have written on the board.
3. Read through the class activity, as it explains how to play “Volcano Jeopardy”.
4. Determine a question for “Double Jeopardy” (For example, Facts 200). When a team picks this, they have the option of betting as many points as they have. If they get the answer right, they can add those points to their score. If they lose, they lose all of those points. Circle this question on the “Volcano Jeopardy Questions” sheet so you remember it is the double jeopardy question.

Procedure:

1. Inform the class that they are going to learn more about volcanoes today by playing a game called “Volcano Jeopardy”.
2. Divide the class up into two teams by counting off in 1s and 2s.
3. Have the teams come up with a name. Write the team names on the board in an area where you can keep track of the points.
4. Explain the rules of Volcano Jeopardy:
 - a. All of the questions are about volcanoes.
 - b. Explain the categories: Terms (volcano vocabulary), Geography (where are volcanoes?), Facts (general information about volcanoes), and Random (random interesting pieces of knowledge about volcanoes).
 - c. Under each category there are numbers: 100, 200, 400, and 600. Each number corresponds to a question and indicates how much that question is worth. Higher

numbered questions (like 600) are worth more than smaller numbered questions, but they are also more difficult questions.

- d. Have one individual from a team pick a question. The whole team may decide on the correct answer together. If the team gets the question right, they receive the amount of points that question is worth. This information will be recorded on the board. It is then the next team's turn to choose a question.
 - e. However, if the first team gets the question wrong, they lose no points. The other team then gets to answer the question. If they get it right, they get the points. This does not count as their turn. Therefore, both teams should discuss the answer to each question as soon as the question is read.
 - f. Inform students about the "Double Jeopardy Question". It is hidden within the chart. If Team 1 picks it, they can bet as many points as they have. If they get the answer right, they receive all of those points. If they get the answer wrong, they lose all of those points and team 2 gets to try to answer.
 - g. Each team gets one minute to answer.
 - h. The team with the most points wins.
5. Cross off the questions as they are chosen.
 6. Have fun playing the game!

Volcano Jeopardy Questions

Terms

100: What is a volcano? **A mountain that opens downward to a pool of molten rock below the surface of the earth.**

200: What is “molten” rock? **Rocks that are so hot that they are liquid.**

400: What is lava? **Lava is molten rock that has been spewed out of the volcano.**

600: What is volcanic ash? **Rocks that have been crushed. It can be harsh, acidic, gritty, and smelly.**

Geography

100: What state is Mount St. Helens in? **Washington**

200: What is the biggest volcano in Washington? **Mount Rainier**

400: Name one state in the United States where there are active volcanoes:

Hawaii, Alaska, California, Oregon, Washington

600: The biggest volcano in the world exists in the U.S. In which state...or where?

Hawaii

Facts

100: What causes a volcano to erupt? **Earthquakes! Pressure that builds up is released, which sends rocks and gas out of the volcano. However, rain, tides, landslides, and melting glaciers can also trigger eruptions.**

200: What kind of gas usually comes out of a volcano? **Carbon dioxide**

400: Name two kinds of natural disasters can be the result of a volcanic eruption:

Mudslide, avalanche, earthquakes, flashfloods, mudflows, lava flows, falling ash, floods.

600: Approximately how much of the earth’s surface is composed of volcanic rock? **80%**

Random

100: Name another active volcano in WA besides Mount St. Helens? **Mt. Adams, Mt. Rainier, Mt. Baker**

200: What was sacrificed to the volcano in hopes that it would not erupt? **Women and children.**

400: The word “volcano” comes from an ancient god. What natural element did the god control? **Fire**

600: Approximately how long ago did Mount St. Helens erupt? **25 years**

Sources:

<http://www.volcanolive.com/eruptions2.html>

<http://membership.acs.org/C/Chicago/Chmshort/kidindex.html>