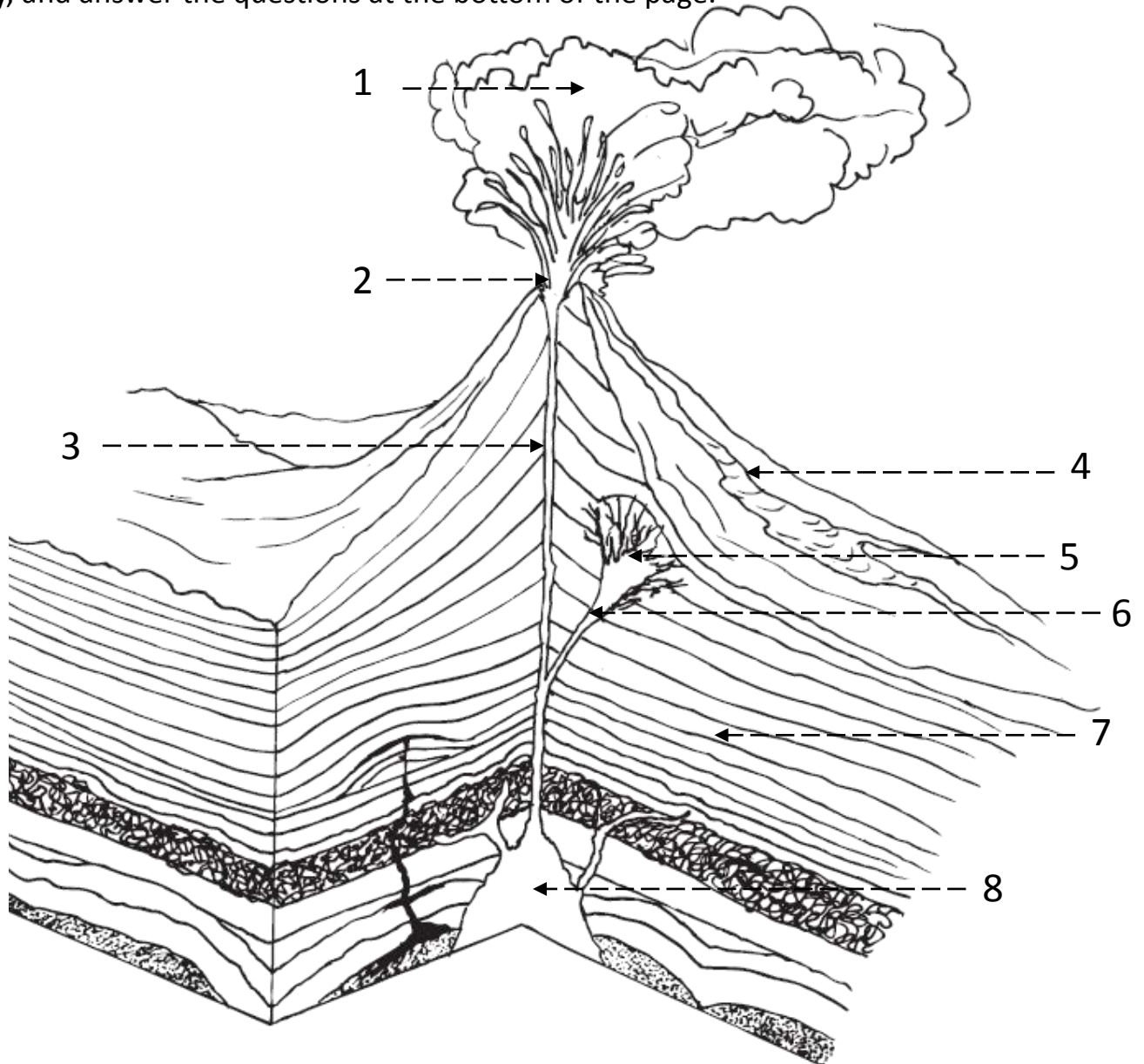


# Volcanoes

Directions: On a separate piece of paper identify the numbered areas on the volcano, using the key, and answer the questions at the bottom of the page.



Key: Strata, Crater, Central Vent, Branch Pipe, Magma Chamber, Eruption Cloud, Lava, & Sill

9. What type of volcano is pictured?
10. How are volcanoes formed?
11. What gases do volcanoes emit?
12. What kind of rocks do volcanoes make?



Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Volcanoes–Answers

1. Eruption Cloud
2. Crater
3. Central Vent
4. Lava
5. Sill
6. Branch Pipe
7. Strata
8. Magma Chamber
9. Composite Volcano (also called strato volcano)
10. Volcanoes are mountains that are built up, over time, as they erupt. Molten rock, magma, comes from within the earth and erupts onto the surface. The volcano might be explosive and produce ashes or be effusive and produce lava.
11. Water vapor, carbon dioxide, sulfur dioxide, hydrogen chloride, and hydrogen fluoride are emitted.
12. Volcanoes make many different types of rocks, but all are in the large category called Igneous. Igneous Rocks are formed by crystallization from a liquid, or magma. They include two types, volcanic (also known as extrusive) and intrusive (also known as plutonic). Volcanic igneous rocks form when the magma cools and crystallizes on the surface of the Earth. Intrusive igneous rocks are made from magma crystallizing underground.