Volcanoes can be:

- Active: erupted recently/are expected to erupt soon!
- Dormant: no eruption for a long time... but who knows!
- Extinct: They will likely never erupt again.

Volcanoes on Earth form from rising magma.

Magma rises in three different ways.

When this material escapes, it causes an eruption.

An eruption can be:

- Explosive, sending material high into the sky or
- Calmer, with gentle flows of material.

The erupted material can be liquid rock

("lava" when it's on the surface,

"magma" when it's underground), ash, cinders, and/or gas.

Magma can rise when:

volcanoes can form.

Tectonic plates slowly move away from each other.
The magma rises up to fill in the space. Underwater

2. Tectonic plates move toward each other. And part of them can be forced deep into its interior. With the high heat and pressure the crust melts and rises as magma.

3. Hot spots - hot areas inside of Earth – form, heat up magma, which becomes less dense and rises!

