

Name: _____

Period: _____

IGNEOUS ROCKS

- ▶ An igneous rock is a rock that has formed from the _____ and _____ of magma or lava.

- ▶ What is **magma**? _____

- ▶ What is **lava**? _____

- ▶ How are igneous rocks classified? _____

- ▶ What is an **intrusive** igneous rock?

- ▶ What is an **extrusive** igneous rock?

- ▶ Name four **intrusive igneous rocks** found on page 6 of the ESRT.

- ▶ Name four **extrusive igneous rocks** found on page 6 of the ESRT.

- ▶ What do all intrusive igneous rocks have in common? Explain why.

- ▶ What is the texture of igneous rocks with crystals larger than 10mm? _____

- ▶ What is the texture of igneous rocks with crystals between 1 and 10mm? _____

- ▶ What does “non-vesicular” mean?

- ▶ What is another word that means intrusive (look at the ESRT)? _____

- ▶ What do all extrusive igneous rocks have in common? Explain why.

- ▶ What is the texture of igneous rocks with crystals smaller than 1mm? _____

Name: _____

Period: ____

- ▶ What is the texture of igneous rocks that have no crystals? _____
- ▶ What does “vesicular” mean? Why do you think some extrusive rocks are vesicular?

- ▶ What is another word that means extrusive (look at the ESRT)? _____
- ▶ Name one light-colored igneous rock: _____
- ▶ Name one dark-colored igneous rock: _____
- ▶ Name one medium-colored igneous rock: _____
- ▶ Name one high-density igneous rock: _____
- ▶ Name one low-density igneous rock: _____
- ▶ Name one medium-density igneous rock: _____
- ▶ What does felsic mean? _____
- ▶ Name one felsic igneous rock? _____
- ▶ What does mafic mean? _____
- ▶ Name one mafic igneous rock? _____
- ▶ List all the minerals that may appear in a sample of granite.

- ▶ List all the minerals that may appear in a sample of andesite.

- ▶ List all the minerals that may appear in a sample of basalt.

- ▶ What does it mean if a rock is monomineralic? Which igneous rock is monomineralic?

