



ANSWERS

1. volcanic eruptions occur when molten rock from far below the Earth's surface, called magma, is pushed up to the surface. There, it exits the volcano as lava, ash, and rock.
2. some are very slow, with lava barely oozing from the volcano, and others are sudden, fast, and catastrophic
3. true
4. lithosphere, upper mantle, crust
5. the mantle
6. it behaves like a liquid
7. In the mantle layer of the Earth, rock becomes soft enough to behave like a liquid, what we call molten rock. This molten rock pools in large chambers below the Earth's crust. Magma is less dense than the rock around it, so it tends to move up towards the Earth's surface, finding fissures (cracks) in the mantle, until eventually it reaches the Earth's surface through the vent of a volcano. As magma erupts, it becomes lava, ash, and volcanic rock.