

- 12) Subducting oceanic crust underneath oceanic crust will produce _____.
A) volcanic island arcs
B) hot-spot volcanic islands
C) continental volcanic arcs
D) mid-ocean ridge
- 13) How does the East African Rift relate to plate tectonics?
A) The rift lies on a subduction zone where two plates are converging.
B) The rift lies on a continent with a hot spot below it.
C) The rift lies on a continental rift where two plates are diverging.
D) The rift lies on an oceanic spreading center where two plates are diverging.
- 14) _____ are discordant bodies that form when magma is forcibly injected into fractures that cut across bedding surfaces and other structures.
A) Sills
B) Batholiths
C) Dikes
D) Necks
- 15) _____ are nearly horizontal, concordant bodies that form when magma exploits weaknesses between sedimentary beds or other structures.
A) Dikes
B) Sills
C) Batholiths
D) Necks
- 16) How do calderas form?
A) impact of a meteorite
B) explosive eruption carving out a big hole in the ground
C) erosion by lava flows
D) collapse of a partially emptied magma chamber
- 17) To be classified as a batholith a plutonic body must have surface exposure greater than _____ square kilometers.
A) 45
B) 50
C) 100
D) 80
- 18) Which of the following is another term for submarine volcano?
A) pluton
B) seamount
C) composite volcano
D) cinder cone
- 19) Pyroclastic flows can exceed speeds of _____ kilometers per hour.
A) 100
B) 80
C) 40
D) 65
- 20) Shield volcanoes like Mauna Loa mostly comprise _____.
A) granitic lava flows
B) rhyolitic lava flows
C) intermediate lava flows
D) basaltic lava flows
- 21) Most volcanoes along the Ring of Fire are made from _____.
A) decompression melting
B) hot-spot volcanism
C) subducting ocean crust
D) subducting continental crust
- 22) _____ is a vesicular rock with an andesitic or rhyolitic composition.
A) Pumice
B) Granite
C) Obsidian
D) Scoria
- 23) _____ is a type of basaltic lava flow common in Hawaii that has its surface covered with sharp-edged, angular blocks and rubble.
A) Aa
B) Tephra
C) Pillow lava
D) Pahoehoe

