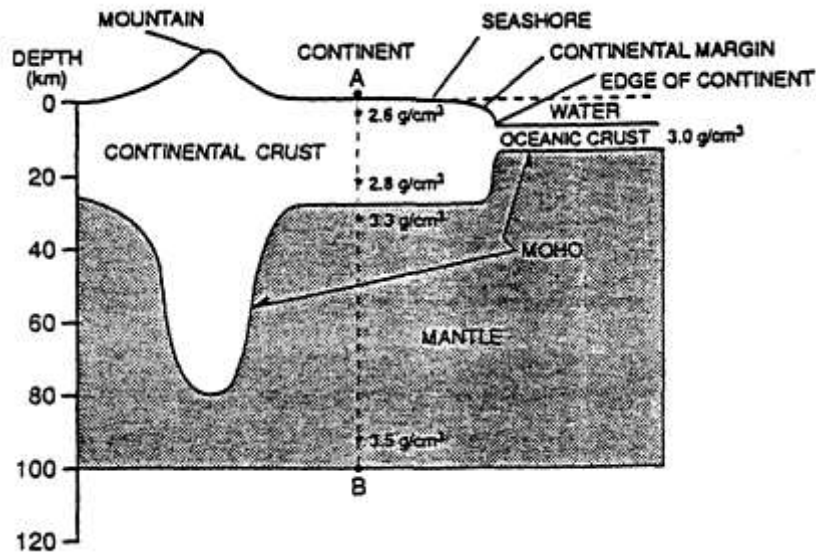
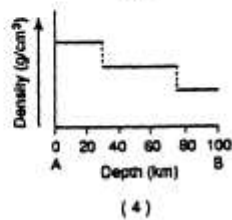
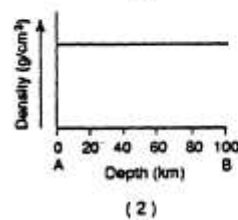
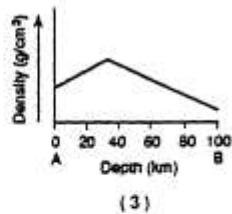
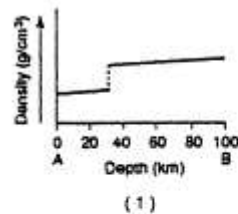


## Earth's Interior

Use the diagram below to answer questions 1-3.

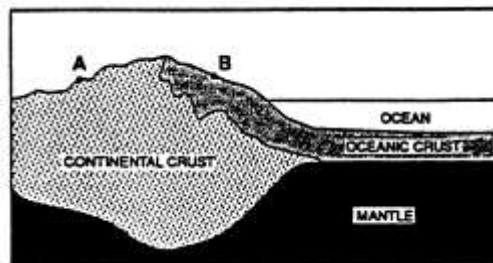


1. According to the diagram, approximately how deep does the continental crust extend below the mountain range?
  - 1 2.6 km
  - 2 25 km
  - 3 65 km
  - 4 80 km
  
2. Which inference can best be made from the diagram?
  - 1 The Moho is the interface between the continental and oceanic crusts.
  - 2 The continental crust is thicker than the oceanic crust.
  - 3 The continental crust has a higher density than the oceanic crust.
  - 4 The Moho is always found at the same depth below the Earth's surface .
  
3. Which graph best shows the density of the Earth along a line from point A to point B?



4. Which layer of the Earth's interior exists at a depth of 5000 km?
- |                  |              |
|------------------|--------------|
| 1 stiffer mantle | 3 inner core |
| 2 asthenosphere  | 4 outer core |
5. Which combination of temperature and pressure is inferred to occur within Earth's stiffer mantle?
- (1) 3500°C and 0.4 million atmospheres
  - (2) 3500°C and 2.0 million atmospheres
  - (3) 5500°C and 0.4 million atmospheres
  - (4) 5500°C and 2.0 million atmospheres

6. The diagram below represents a location near the edge of a continent.



A geologist who compares non-sedimentary rock samples from locations A and B would probably find that samples from location A contain

- |                |                                 |
|----------------|---------------------------------|
| 1 more granite | 3 more fossils                  |
| 2 more basalt  | 4 the same minerals and fossils |
7. The thickest part of the Earth's crust is found beneath which surface feature?
- 1 the oceans
  - 2 large desert regions
  - 3 large mountain regions
  - 4 large coastal plains
8. According to the *Earth Science Reference Tables*, in which region of the Earth's interior would material with a density of 10 grams per cubic centimeter most likely be found?
- |              |          |
|--------------|----------|
| 1 inner core | 3 crust  |
| 2 outer core | 4 mantle |
9. The temperature of a rock located 1,000 kilometers below the Earth's surface is about
- |           |           |
|-----------|-----------|
| 1 200 °C  | 3 2800 °C |
| 2 2100 °C | 4 3200 °C |
10. Convection currents indicating flow of material inside the Earth occur in the
- |                 |                  |
|-----------------|------------------|
| 1 crust         | 3 stiffer mantle |
| 2 asthenosphere | 4 outer core     |