

MODERN EARTH SCIENCE

Section 17.3

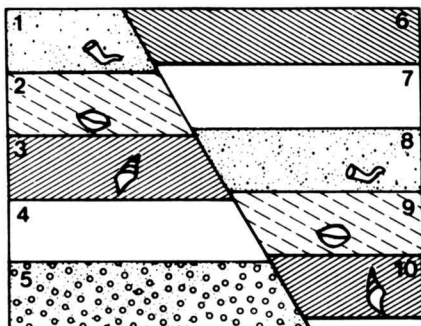
The Fossil Record

Read each statement below. If the statement is true, write *T* in the space provided. If the statement is false, write *F* in the space provided.

- _____ 1. Geologists use index fossils to help locate oil and natural gas deposits.
- _____ 2. An organism will only undergo mummification if it is buried by sediments at the bottom of a glacial lake.
- _____ 3. Coprolites can be used to study the eating habits of ancient animals.
- _____ 4. Entire animals can be fossilized in tar pits.
- _____ 5. A frozen mastodon is an example of a trace fossil.

Choose the one best response. Write the letter of that choice in the space provided.

- _____ 6. Paleontology is defined as the study of:
- a. rock layers.
 - b. fossils.
 - c. erosion.
 - d. unconformities.
- _____ 7. Fossils found exclusively in the rock layers of a particular geologic age are called:
- a. index fossils.
 - b. gastrolith fossils.
 - c. metamorphic fossils.
 - d. complete fossils.
- _____ 8. Which of the following is an example of a trace fossil?
- a. an intact shark tooth
 - b. a petrified log
 - c. a dinosaur footprint
 - d. an insect in amber



- 9.** Which of the following rock layers in the diagram have the same relative age?
- a. 1 and 6
c. 3 and 7
- b. 2 and 9
d. 5 and 10
- 10.** Approximately how old is a layer of rock containing *Phacops* fossils?
- a. 245 million years
c. 100 million years
- b. 400 million years
d. 10 million years