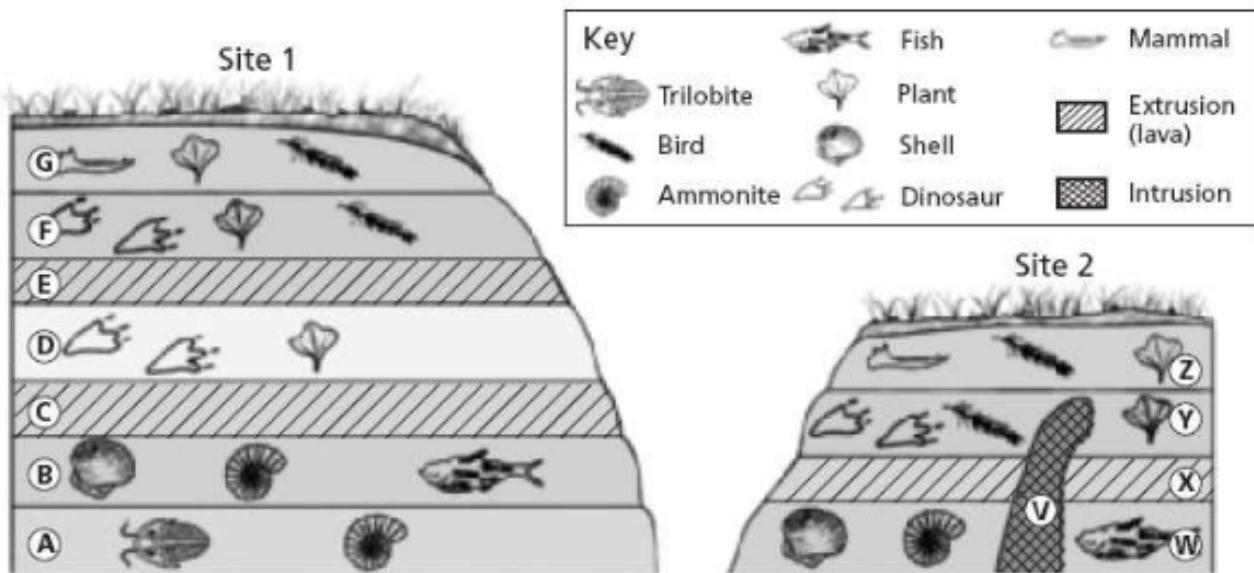


Finding Clues to Rock Layers

Name: _____

Problem: How can fossils and geologic features be used to interpret the relative ages of rock layers?



SITE 1

1. What "fossil clues" in layers A and B indicate the kind of environment that existed when these rock layers were formed? How did the environment change in layer D?

2. Which layer is the oldest? How do you know?

3. Which of the layers formed most recently? How do you know?

4. What kind of fossils occurred in layer F?

SITE 2

5. Which layer at Site 1 might have formed at the same time as layer W at Site 2?

6. Which is older, intrusion V or layer Y? How do you know?

7. Describe how the environment at Site 2 changed over time. Starting with the earliest layer, describe the types of organisms, their environment, and how the environment changed.