









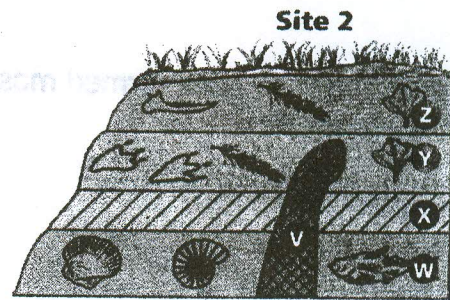
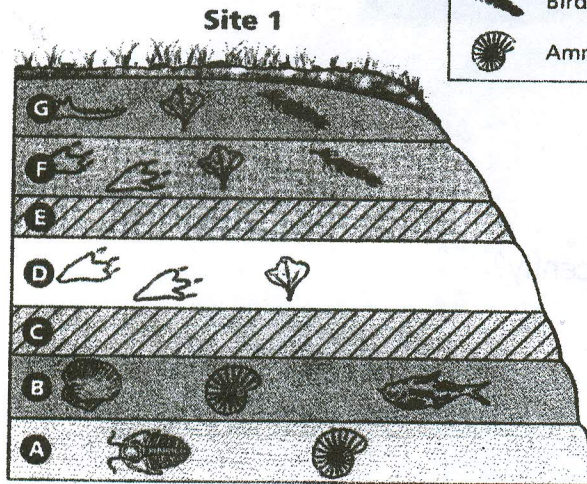


Finding Clues To Rock Layers

Key			
	Trilobite		Fish
	Bird		Shell
	Ammonite		Dinosaur
			Plant
			Mammal
			Extrusion (lava)
			Intrusion



1. Study the rock layers at sites 1 and 2. Write down the similarities and differences between the layers at the two sites.

Similarities	Differences

2. List the kind of fossils that are found in each rock layer of sites 1 and 2.

Site 1	Site 2

Analyze and Conclude: **SITE 1**

1. What "fossil clues" in layers A and B show the kind of environment that existed when these rock layers were formed?
2. How did the environment change in layer D?
3. Which layer is the oldest?
4. How do you know?
5. Which of the layers formed most recently?
6. How do you know?
7. Why are there no fossils in layers C and E?
8. What kind of fossils are found in layer F?

Analyze and Conclude: **SITE 2**

1. Which layer at site 1 might have formed at the same time as layer W at site 2?
2. What clues show an unconformity or gap in the horizontal rock layers?
3. Which rock layers are missing compared to site 1?
4. What might have happened to these rock layers?
5. Which is older, intrusion V or layer Y?
6. How do you know?