

Station 1

1. Goniatitida
2. Devonian, Permian
3. Nautilus
4. Lirae, striae
5. Calcified jaw

Station 2

1. Agnatha
2. Shell skinned
3. Hagfish and lampreys
4. Layers of enamel and dentin
5. Devonian mass extinction

Station 3

1. Maiasaura
2. Duck-billed or hadrosaur
3. Thousands of individuals
4. Rotting vegetation
5. Montana

Station 4

1. Metasequoia
2. Oregon
3. Deciduous
4. Lichuan County, Hubei, China
5. Shift from all coniferous trees to deciduous

Station 5

1. Homo Erectus
2. Homo Neanderthalensis
3. Specimen a
4. Neander Valley (½ points for Germany)
5. Bad preservation, that's plaster

Station 6

1. Body fossil
2. Mammoth
3. Enamel, cementum, dentine
4. Mammalia
5. Ohio

Station 7

1. Bivalvia
2. Umbo and adductor

3. Yes
4. Filter feeding
5. Marine sediments

Station 8

1. Bryozoans
2. Archimedes
3. Fronds
4. Shallow seas
5. A bud

Station 9

1. Calymene
2. Ordovician
3. They're dead or they're in a defensive position
4. Gabella
5. Holochroal

Station 10

1. Knightia
2. Asia and North America
3. Algae, diatoms, insects, smaller fish
4. Green River Formation

Station 11

1. 6 meters
2. Late cretaceous
3. Kansas
4. N America, Europe, Australia
5. Actinopterygii

Station 12

1. Petrified wood
2. Mineral rich water trickled through wood and replaces organic materials
3. Planatus
4. No. Of course not.
5. Calcite

Station 13

1. Chert
2. Rotaliida
3. Nummulites
4. Septa
5. Eocene

Station 14

1. Arm / front leg
2. To make the bone lighter
3. Titanis
4. Hah, trick question. Nothing. They were still too heavy to fly.
5. Carnivore

General Questions

1. Symmetry / foot
2. Coprolites, stromatolites, etc.
3. Sedimentary
4. A fossil that dates strata it is in
5. Middle of North America
6. Glossopteris
7. Bivalvia
8. Soft bodied organisms like jellyfish, a famous archaeopteryx, marine reptiles, dragonfly wings
9. Basically the cast on the inside of something like inside a bivalve.
10. Apatite that is produced by living organisms such as in teeth or bones.