

Finding Dino Bones

Name:

Period:

You have been given two drawings of different layers of rock. The layers on the left are from Montana and contain dinosaur bones in layer "d". The layers on the right are from France. You also have been given a chart that shows different **index fossils** (fossils that are common in certain layers of rock), and a list of where these fossils are found in the layers. Check off each step as you finish it.

1) Label the two columns of rock to show where they are from .

2) Before drawing any fossils, make a prediction. In what layer of rock from France do you think dinosaur bones will be found in? _____

Why do you think you could find bones there?

3) Draw the index fossils in each of the layers where they belong .

4) Connect the layers of rock with dashed lines (like at the top and bottom of the columns) to connect the ones that have the same fossils in them .

5) Based on this additional information, in what layer do you think dinosaur bones will be found in the column from France? _____

6) Does your initial prediction match what the index fossils helped you to discover? _____

How do you know that dinosaur bones will be found in this layer?

7) Is index fossil #3 older or younger than index fossil #5? _____ How do you know this?

8) Is index fossil #6 older or younger than index fossil #1? _____ How do you know this?

9) Staple your completed diagram of rock layers and the index fossil data sheet behind this paper, and turn it in.