

## Earth and Life History

Name:

### Finding Dino Bones

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.

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

2) 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 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? \_\_\_\_\_

Why or why not?

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

8) Is index fossil #1 older or younger than index fossil #6? \_\_\_\_\_ 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.