

Part 2: Rock Layers Activity

Rock Layers Instructions

1. At the top of one piece of construction paper, label Site 1. At the top of another piece of paper label Site 2. List student names on the back of each.
2. Cut the rock layers into strips (pay close attention to site number).
3. Using the fossil key, arrange the rock layer strips from oldest (bottom) to youngest (top) within each site.
 - Hint: use the index fossils to help guide the layers
4. Leave room to write down one side of the paper then tape or glue each layer onto the construction paper in the correct order for each site.
5. For each site:
 - List the fossils found in each layer next to the layer.
 - Label each layer with the relative age.
6. Circle all the index fossils.
7. Using the layers from each site, match site 1 layers to site 2 layers. Write the answers to the following:
 - Do any layers match-up between sites?
 - If so, which layers match and how do you know they match?
 - How is site 2 different from site 1?

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Fossil Key

MYA – million years ago



Dinosaur

144 – 65 MYA



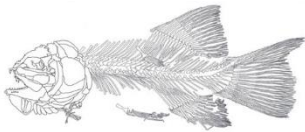
Bird

144 MYA - present



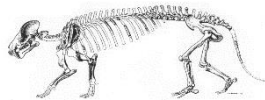
Plant

443 MYA - present



Fish

510 MYA - present



Large Mammals

65 MYA – present



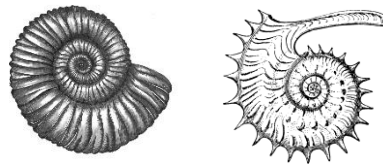
Trilobites

550 – 400 MYA 400 – 245 MYA



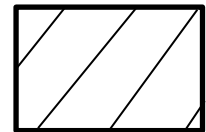
Shell

541 - present



Ammonites

245 - 144 MYA 144 – 65 MYA MYA



Lava

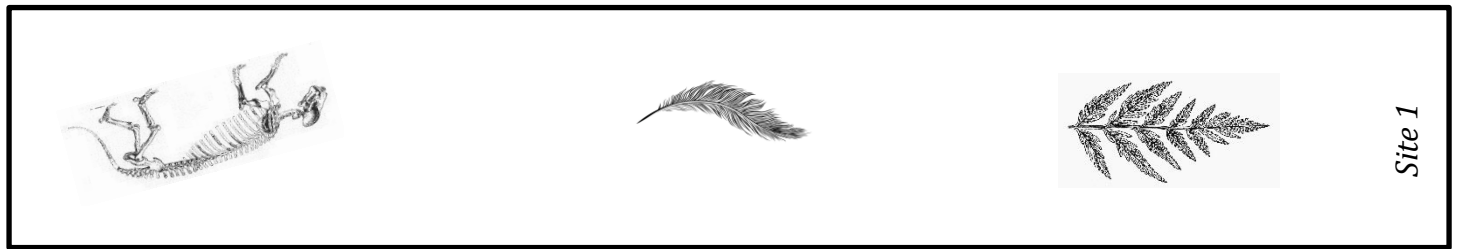
245 MYA

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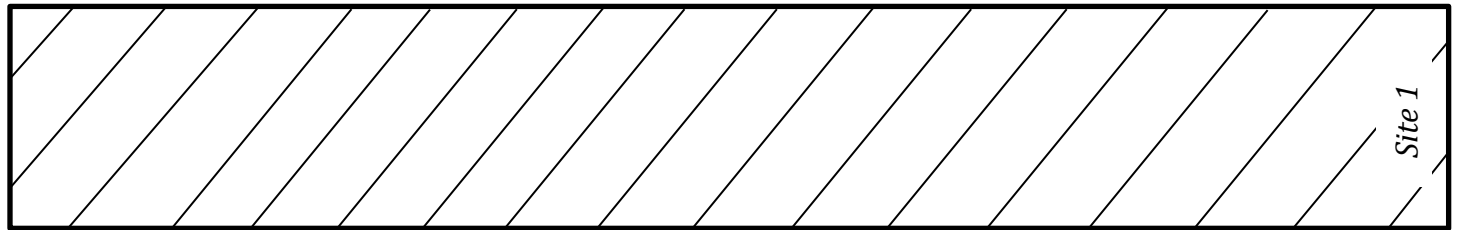
Site 1 Layers



Site 1



Site 1



Site 1



Site 1

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Site 2 Layers

