

Name: _____

Teacher: _____

Part 1: What do you think?

How truthful does a *fossil scientist* think these models are?

Circle the number that best matches your thinking.

False 1	Maybe false 2	Not sure 3	Maybe True 4	True 5
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A. **Fossils Don't Help:** We have not found fossils of many of the organisms that lived in the past. This means we cannot figure out what the Earth was like then.

1	2	3	4	5
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B. **Fossils Do Help:** Fossils tell us things about organisms from the past. This gives us ideas about what the Earth was like then.

1	2	3	4	5
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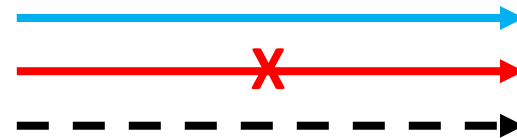
Part 2: Draw your arrows

Choose how you think each statement in the middle relates to the model on each side. Draw the arrow that matches your thinking.

Draw a straight blue arrow if the middle box supports the model

Draw a red arrow with an X if it goes against the model

Draw a black dashed arrow if it has nothing to do with the model



1. Ammonites are mollusks that lived in prehistoric seas. Spearfish, SD is over 600 miles away from the nearest large body of water. Even so, we find these fossils here in South Dakota.

2. Most of the Dakotas are a prairie. Some of the fossils found in the Hell Creek rock formation come from trees that lived in the tropics long ago.

3. The shape of leaf fossils can tell us if the Earth was different than the surface above them.

4. Large parts of the United States are made of rocks that do not normally have fossils.

A. Fossils Don't Help

B. Fossils Do Help

Part 3: Time to think again.

How truthful does a *fossil scientist* think these models are?

Circle the number that best matches your thinking.

False 1	Maybe false 2	Not sure 3	Maybe True 4	True 5
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A. **Fossils Don't Help:** We have not found fossils of many of the organisms that lived in the past. This means we cannot figure out what the Earth was like then.

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B. **Fossils Do Help:** Fossils tell us things about organisms from the past. This gives us ideas about what the Earth was like then.

1	2	3	4	5
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Part 4: Tell us why.

Use at least one piece of **text evidence** to tell us which model fossils scientists think is more truthful.

Fossil scientists think model (circle your choice) **A** | **B** is more truthful

because: _____

Which of the arrows you drew helped change your mind from before you read the story and why?

Please use as much **text evidence** as you need to tell why this arrow was so important.

Evidence #____ (circle your answer) **supports** | **goes against** | **has nothing to do with** model ____ because:

