**Law of Superposition Webquest**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Block: \_\_\_\_**

**USE THE FOLLOWING WEBSITE TO ANSWER THE FOLLOWING QUESTIONS:**

[**http://clarkscience8.weebly.com/law-of-superposition--index-fossils.html**](http://clarkscience8.weebly.com/law-of-superposition--index-fossils.html)

1. **What is relative age?**
2. **Do relative age give the exact age of an object?**
3. **What are the 2 ways relative age of rocks and fossils can be determined?**
4. **Scientist read the rock layers knowing what?**
5. **What does the law of superposition state?**
6. **Define the law of superposition using your own words.**
7. **When can relative dating be used?**
8. **What can index fossils be used for?**
9. **List the 5 things that qualify a fossil as being an index fossil.**
10. **Fossils are found in many rock layers. What type of rock layers or strata do you think fossils are found in?**
11. **What does the saying mean in the picture when it says, “…so the deeper we dig, the farther back in time we see.”**
12. **Under the Rock Layer topic, restate what the Law of Superposition state.**
13. **Based on what the law of superposition states, list the layers from younger to older.**

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1. **Name 2 differences between relative and absolute dating.**
2. **Give an example of relative and absolute dating?**
3. **Based on your knowledge of absolute and relative age dating, what is the relative and absolute ages from the picture below?**

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|  |  **Relative Ages:****Absolute Ages:**  |

1. **What is an index fossil?**
2. **What is a good example of index fossils during the Paleozoic Era?**
3. **Complete the Chart below.**

|  |  |  |
| --- | --- | --- |
|  | **Younger Index Fossils during the time frame** | **Older Index Fossils during the time frame** |
| **Precambrian Time** |  |  |
| **Paleozoic Era** |  |  |
| **Mesozoic Era** |  |  |
| **Cenozoic Era** |  |  |