**History in Rocks and Fossils**

**Pg. 246-247**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List the fossils in the columns (pg. 247 Figure B) from bottom of column to top. Use Figure A on pg. 246 to find fossil name and time period.

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| **Column 1-fossils**  **(from youngest to oldest)** | Period | Order of Geologic Time? (y/n) If no, describe | Missing Periods (no rock layers for a time period)-list |
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| **Column 2-fossils** |  |  |  |
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| **Column 3-fossils** |  |  |  |
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| **Column 4-fossils** |  |  |  |
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**Analysis Questions:**

1. **Read Chapter 8, section 3 (TB pgs. 213-216) and watch the Brain POP: Fossils. What is the fossil record?**
2. **Name 3 types of fossils and describe how they form.**
3. **What type of rock are fossils usually found in? Explain**
4. **What processes or events might change or alter the original order of the layers?**
5. **How can scientists determine the age of fossils?**
6. **How are index fossils used the find the age of a rock layer?**
7. **What are the criteria for a fossil to be considered an index fossil? (see chapter 8)**
8. **All of the layers shown in the columns show sedimentary rock. Why do you think some layers contain no fossils?**
9. **Fossilization is not a common occurrence, why do you think fossils do not form more often?**