

## FOSSIL LAB

Name \_\_\_\_\_

**Types of Fossil Formation( \* indicates types you will find in your kit )**

- A. **Trace Fossils**: mark left behind by an animal.
- B. \* **Cast**: mineral filled space, a replica
- C. \* **Petrified Fossils**: Minerals replace hard parts of organism, copies.
- D. \* **Imprints**: thin objects leaves this in the sediment, later hardens into rock
- E. **Amber-preserved or frozen**: Entire trapped organism preserved
- F. \* **Molds**: Organism buried and decays, leaves empty space
- G. \* **Unaltered**: Original hard parts unaltered like teeth, bones, shells
- H. **Konservat-Lagerstatten**: exceptional soft part preservation-Burgess Shale

Name of Fossil	Year Existed	Type Formation	Sketch
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1.			
2.			
3.			

4.			
5.			
6.			

#### Questions

1. What is a fossil?

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2. Why are amber-preserved fossils and frozen fossils of great value to scientists?

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3. What details about an organism might casts show that is not displayed by molds?

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4. Based on your lab results, what are the most likely types of tissue to be fossilized?

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