Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_ Binder \_\_\_\_\_\_

**Notes (FIB): Relative Dating**

**Principle of Uniformitarianism** – The F\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and P\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that we currently see shaping our planet also operated in the P\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**How we measure time**  - R\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Time: puts events into sequence, but does not date A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ time of occurrence.

-A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Time; identifies the A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ date of an event. It can tell the S\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ at which events are happening.

**Relative Dating**  -Finding the A\_\_\_\_\_\_\_\_ of a rock or F\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_- based on its P\_\_\_\_\_\_\_\_\_\_\_\_\_\_ relative to other R\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Correlation** -Principles of Relative D\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ allow us to know an approximate A\_\_\_\_\_.

**Principle of Original Horizontality** -S\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ accumulates in H\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ layers.

-If they lie at an A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or are F\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, we can infer that they were folded after they F\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Law of Superposition**  -In a sequence of undisturbed R\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the O\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ rocks will be at the B\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the sequence, and the Y\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ at the T\_\_\_\_\_\_\_\_\_\_.

**Law of Crosscutting Relationships** -Igneous rock is Y\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than the rock it has intruded or C\_\_\_\_\_\_\_ A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

-Intrusion – when a N\_\_\_\_\_\_ rock pushes into O\_\_\_\_\_\_\_\_\_\_\_\_ rock layers.

**Unconformity** -A B\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the rock R\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

-It shows where a part of the rock R\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is M\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ due to E\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Law of Included Fragments** -P\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of rock in a rock L\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are O\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than the layer itself.

**Fault**  -A C\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ through a section of R\_\_\_\_\_\_\_\_\_\_\_\_\_\_.