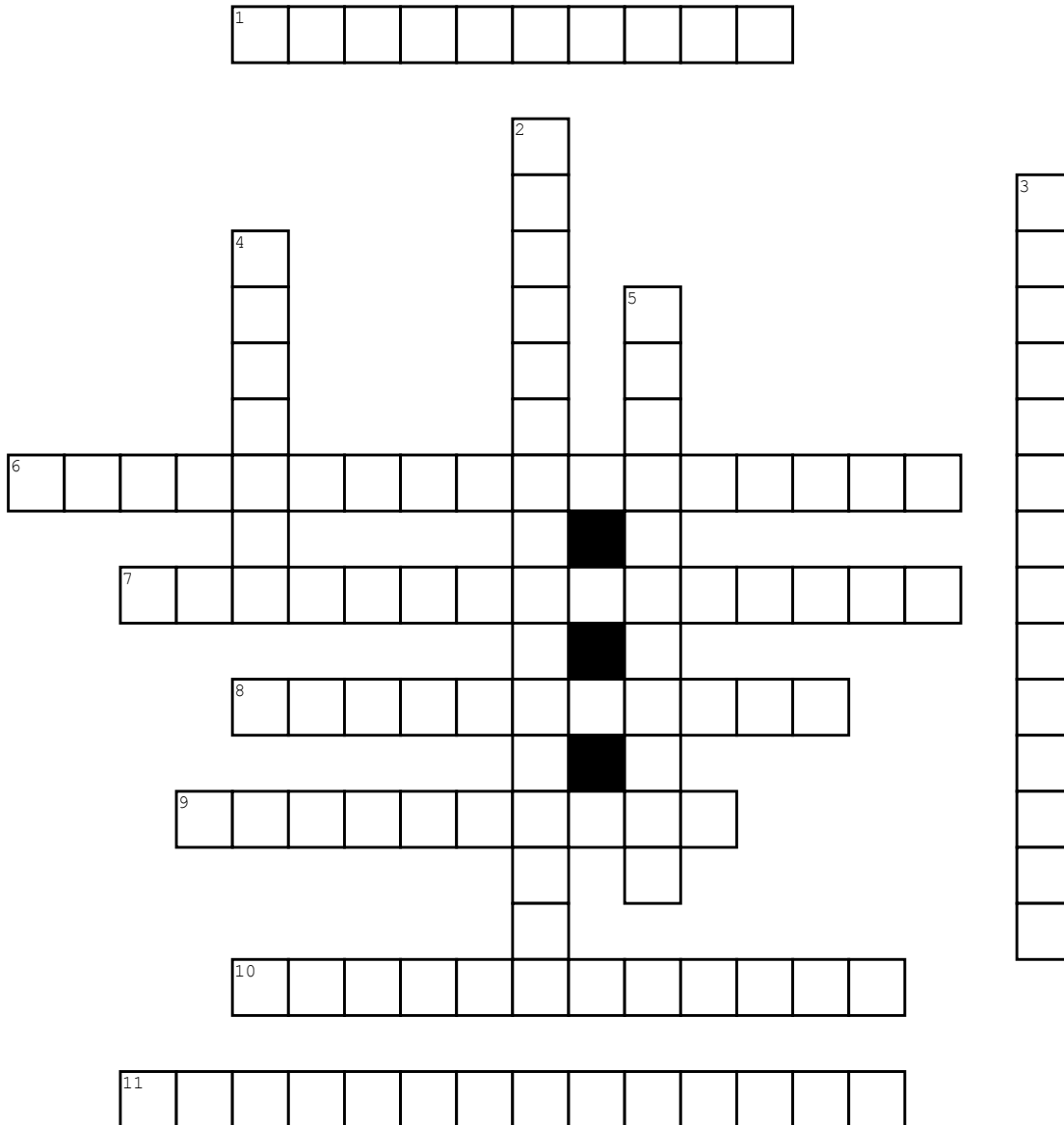


# Earth History



**Across**

- 1. Forms when minerals soak into the buried remains, replacing the remains, and changing them into rock
- 6. Used to measure time and events during Earth's history
- 7. Forms when entire organisms or parts of organisms are prevented from decaying by being trapped in rock, ice, tar, or amber
- 8. Forms when the mud or sand hardens to stone where a footprint, trail, or burrow of an organism was left behind
- 9. Forms when sediments bury an organism and the sediments change into rock
- 10. The chronicle of evolution over millions of years of geologic time engraved in the order which fossils appear in rock strata

- 11. A way to estimate the order of geologic events by using rock layers, index fossils, or other methods

**Down**

- 2. Forms when organisms or parts are pressed between layers of soft mud or clay that hardens leaving only the carbon imprint in the rock
- 3. The process of determining a specific age of an object
- 4. Cylinders of ice that are drilled out of glaciers and polar ice sheets and are used to understand how Earth's climate has changed
- 5. Remains of a plant or animal that lived for a short period of time and is used to determine the relative age of rock layers