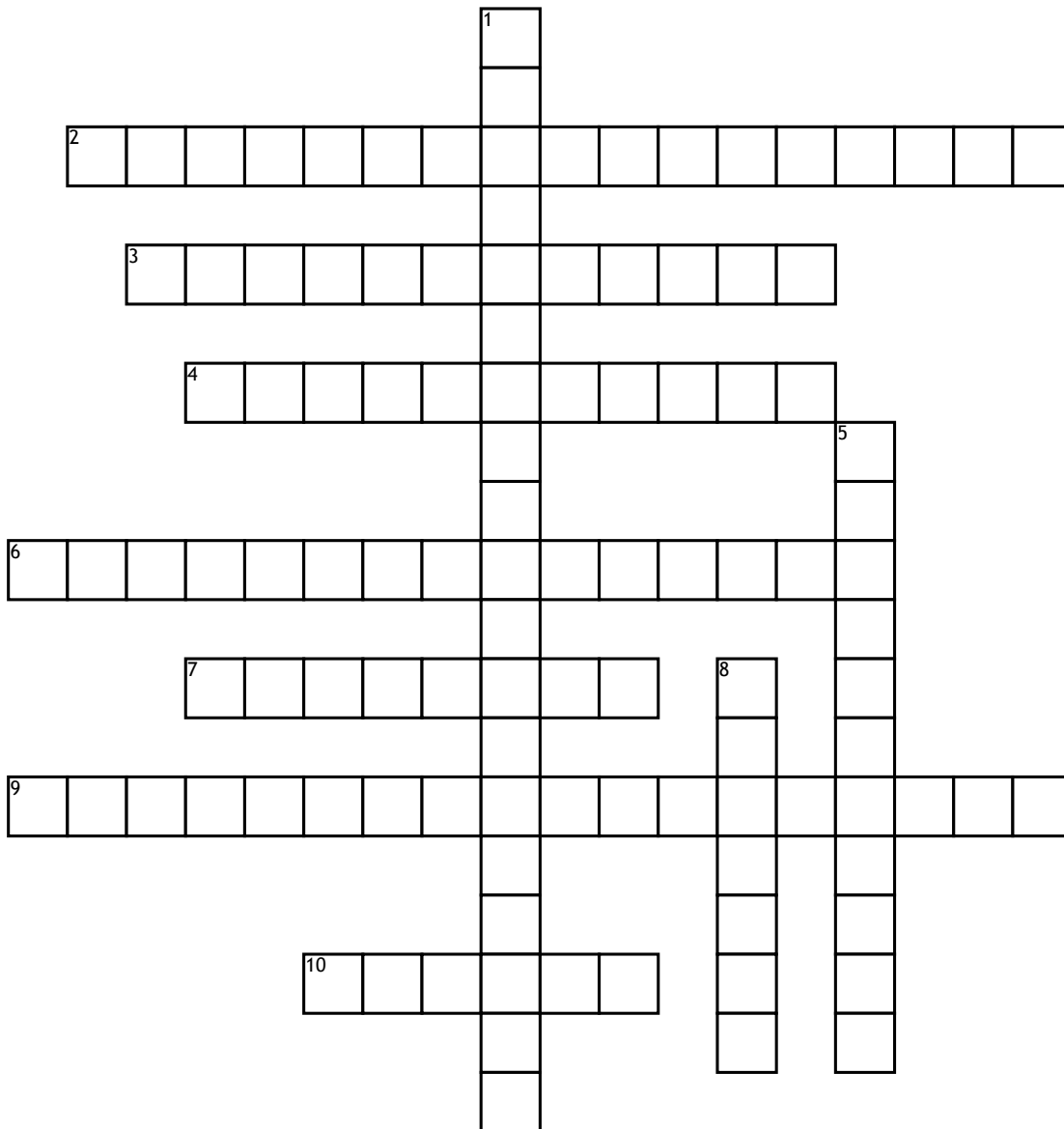


# Geological Time Scale



**Across**

- 2. An igneous intrusion is always younger than the rock it cuts across
- 3. A fossil that is useful for dating and correlating the strata in which it is found.
- 4. What is the geologic age of a fossil organism, rock, or geologic feature or event defined relative to other organisms, rocks, or features or events rather than in terms of years.
- 6. Inclusions found in other rocks or (formations) must be older than the rock that contain them.
- 7. The amount of time it takes for half of a remaining isotope to decay to a daughter product

- 9. A basic law of geontology, stating that in any undisturbed sequence of rocks deposited in layers, the youngest layer is on top and the oldest on bottom

10. A layer or a series of layers of rock in the ground.

**Down**

- 1. Any division of geological time into chronological units, whether relative or absolute.
- 5. The geologic age of a fossil, or a geologic event or structure expressed in units of time, usually years. Also known as actual age.
- 8. Preserved remains or traces of animals, plants, and other organisms from the past