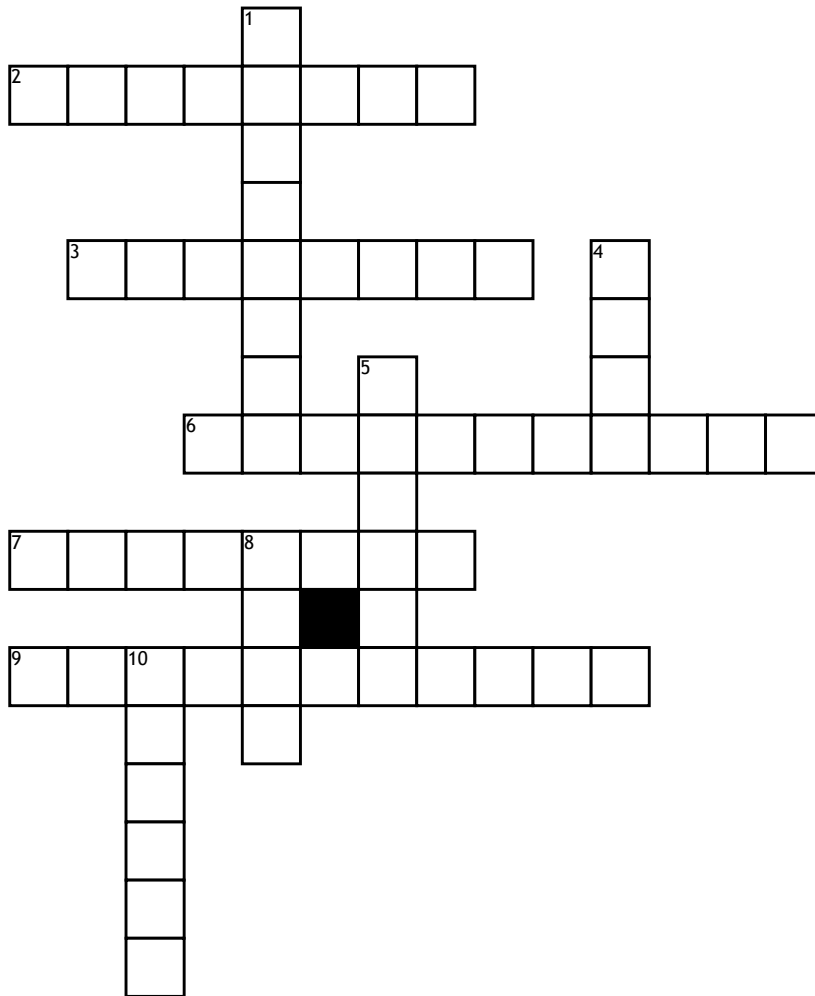


# Earth History and Dating



**Across**

- 2. why a parent element falls apart to a daughter element
- 3. the amount of time since the Earth began forming is called \_\_\_time
- 6. rock layers or fossils are compared to each other based on their position to each other. Younger is above and older is below
- 7. the element that is formed due to radioactive decay is called the
- 9. radioactive elements are used to determine an

**Down**

- 1. the time it takes C-14 to decay to N-14 is called its
- 4. a half life is the length of \_\_\_ that it takes for half of a parent atom to change into the daughter atom
- 5. the atom that is falling apart (undergoing radioactive decay)
- 8. the amount of parent atoms that will be remaining after 1 half life is gone by
- 10. the longer the half-life the more \_\_\_ the element