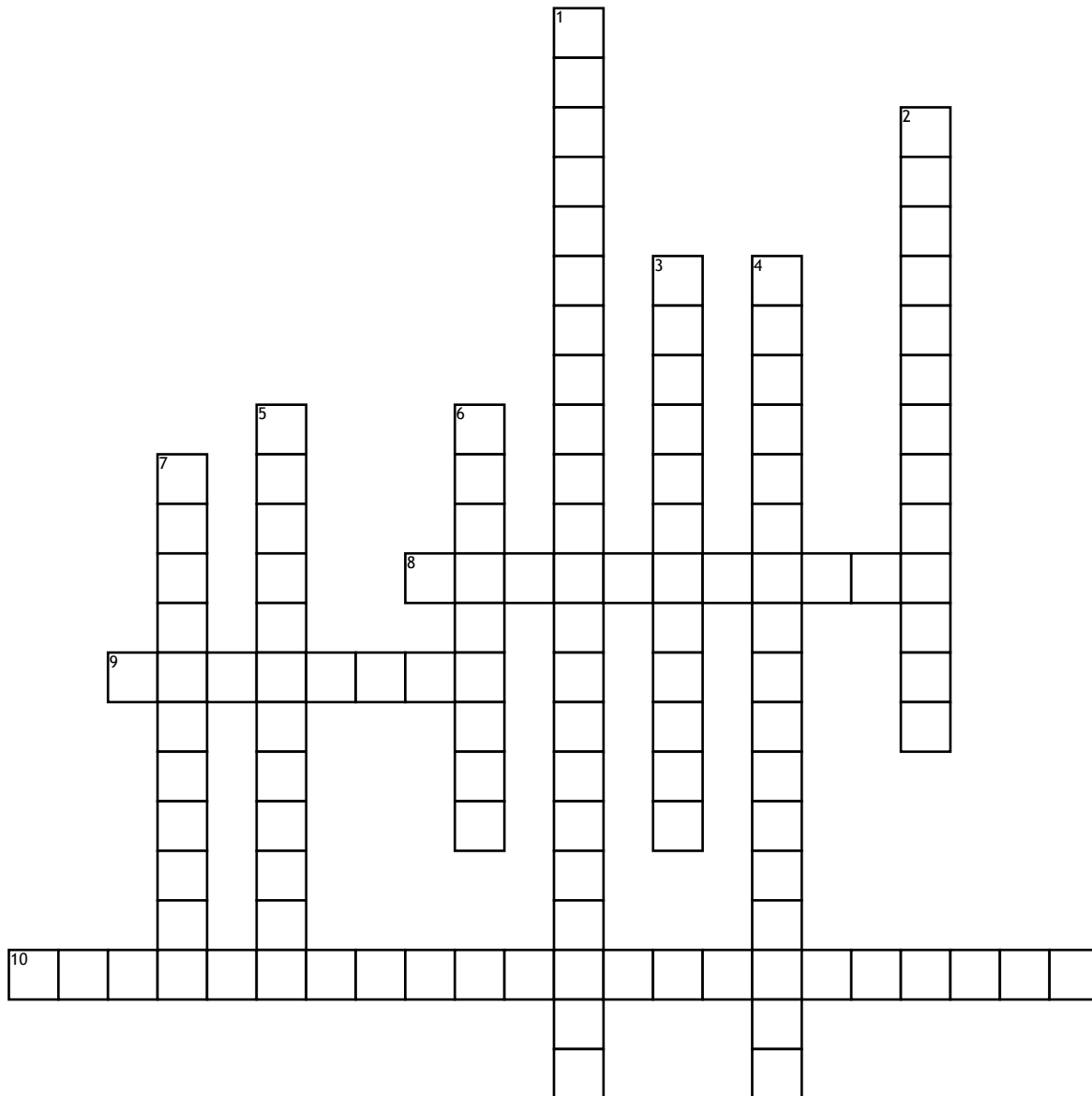


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# science project



## Across

8. With \_\_\_\_\_, you get a real age in actual years. It's based either on fossils which are recognized to represent a particular interval of time, or on radioactive decay of specific isotopes. First, the fossils.

9. \_\_\_\_\_ is the time required for a quantity to reduce to half of its initial value. The term is commonly used in nuclear physics to describe how quickly unstable atoms undergo radioactive decay or how long stable atoms survive.

10. the first dinosaur on Earth was \_\_\_\_\_ ?

## Down

1. The \_\_\_\_\_, also known as superposition property, states that, for all linear systems, the net response caused by two or more stimuli is the sum of the responses that would have been caused by each stimulus individually.

2. the first bird on Earth was \_\_\_\_\_ ?

3. \_\_\_\_\_ relationships is a principle of geology that states that the geologic feature which cuts another is the younger of the two features. It is a relative dating technique in geology.

4. \_\_\_\_\_, radioactive dating or radioisotope dating is a technique which is used to date materials such as rocks or carbon, in which trace radioactive impurities were selectively incorporated when they were formed.

5. \_\_\_\_\_ are fossils used to define and identify geologic periods. Index fossils must have a short vertical range, wide geographic distribution and rapid evolutionary trends.

6. first animal alive \_\_\_\_\_

7. the first organism on the planet was \_\_\_\_\_