

# Radiometric Dating

How do we know how old a rock is?

Match the Vocabulary term with the definition:

Parent Isotope

1. The isotope that results from radioactive decay

Half Life

2. Mineral crystal that is good for dating rocks that are billions of years old

Zircon

3. The time it takes for half of the parent isotopes to decay into the daughter isotope

Daughter Isotope

4. Another term for radioactive dating

Absolute Dating

5. The starting isotope that decays into the final product.

Match the Parent with the Daughter:

Carbon 14

1. Lead 206

Uranium 238

2. Nitrogen 14