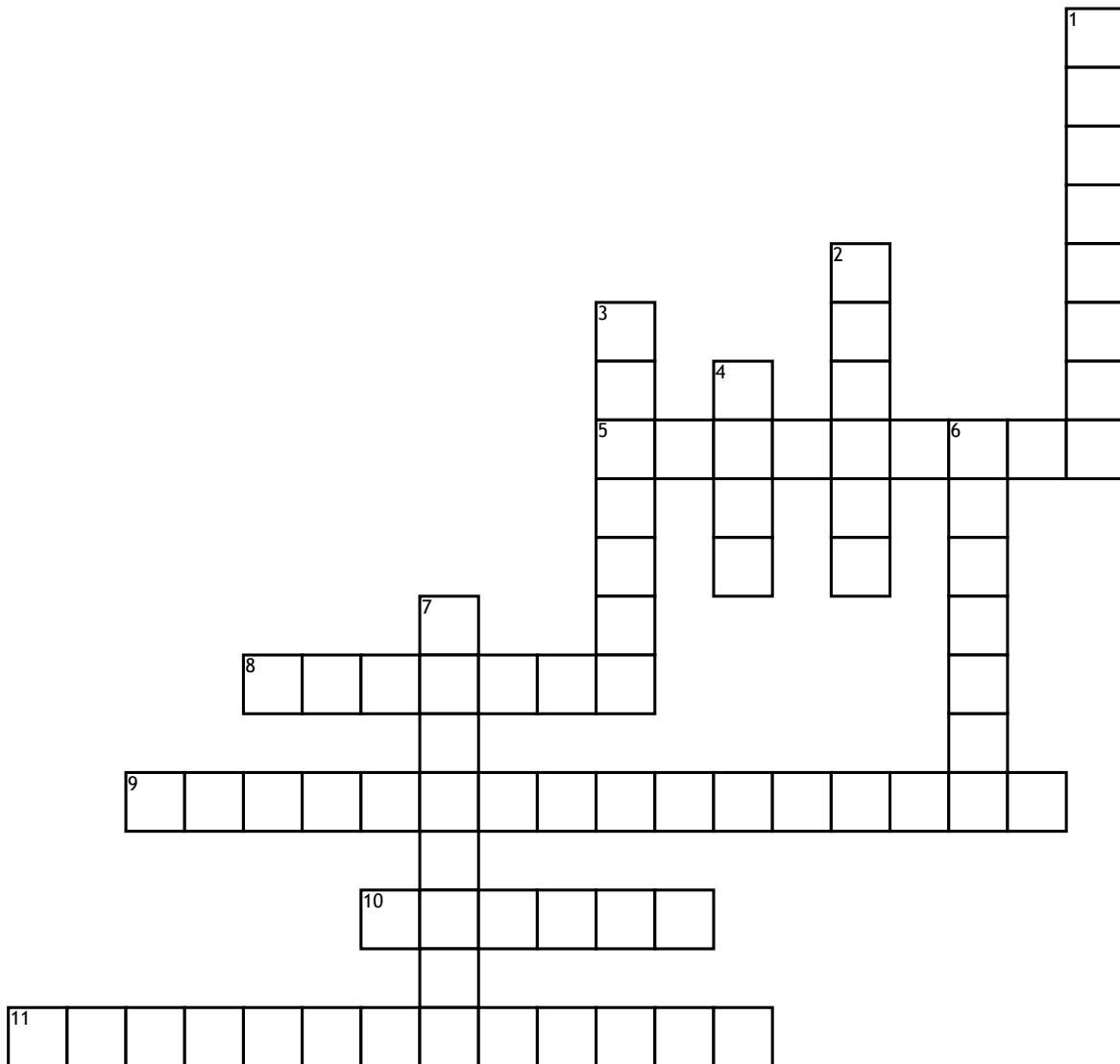


Name: _____

Date: _____

Matter and Energy



Across

5. a substance that takes part in and undergoes change during a reaction

8. the positively charged central core of an atom, consisting of protons and neutrons and containing nearly all its mass

9. formation of a chemical bond

10. an assemblage of elements forming one of the vertical columns of the periodic table

11. the area around the nucleus

Down

1. the outcome of a chemical reaction

2. a stable subatomic particle occurring in all atomic nuclei, with a positive electric charge

3. same number of electrons in their atoms

4. a coherent, typically large body of matter with no indefinite shape

6. subatomic particle of about the same mass as a proton but without an electric charge, present in all atomic nuclei except those of ordinary hydrogen

7. a stable subatomic particle with a charge of negative electricity