

Name \_\_\_\_\_

## Forces That Shape the Universe

### Short Answer

1. Explain the role of gravity in the motion of planets in our solar system.
2. How does electromagnetism influence everyday technology and the behavior of charged particles?
3. Describe the significance of the strong nuclear force in the stability of atomic nuclei.
4. What transformations are governed by the weak nuclear force, and how does it impact the energy production of stars?
5. Why is the search for a Grand Unified Theory (GUT) considered an important goal in the study of fundamental forces?

