

Name \_\_\_\_\_

## Mechanics of a Screw

### Open-Ended Response Questions

1. Imagine a scenario where you need to assemble a piece of furniture using screws. Explain the steps you would take to securely join two wooden parts using screws, considering the mechanical advantage of the screw's pitch.
2. Discuss the importance of screws in the field of electronics and the role they play in securing components. Provide examples of specific electronic devices that rely on screws for assembly and maintenance.
3. Compare and contrast the functions of wood screws and drywall screws in construction projects. When and why might one type of screw be preferred over the other?
4. Why do you think screws have become a standard fastening method in various industries and daily life? How have they revolutionized the way we build, secure, and maintain objects?

