**HYPOTHESIS WORKSHEET**

Write a hypothesis for each of the following research problems. Identify the independent and dependent variable for each.

**1. What effect does rocket fin size have on the stability of the rocket?**

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Independent variable:

Dependent variable:

**2. What effect does the mass of a rocket have on its acceleration?**

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Independent variable:

Dependent variable:

**3. What effect does the surface finish (smooth or rough) have on its altitude performance?**

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Independent variable:

Dependent variable:

**4. What effect does the nozzle size have on the distance the rocket travels?**

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Independent variable:

Dependent variable:

**5. What effect does the distance between the rocket’s center of mass and its fins have on the direction of the rocket’s flight?**

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Independent variable:

Dependent variable: