Name: _____Date: _____ Class: _____

Initial Design Worksheet

Rocket Fins
1. Rockets and arrows always have fins (or feathers) at the tail end.
   Why do you think this is so? What are the fins for?

2. How do you think the fins work?

Rocket Design: Weight and Propellant
3. In the "design matrix" below, circle the design you think will make the rocket fly STRAIGHT and FAR.

Propellant→	Air (A)	Water (W)
High Center of Mass (H)	AH	WH
Low Center of Mass (L)	AL	WL

Justification: Why did you choose this design?
4. The rocket should have a _____ center of mass because:

5. Using _____ as propellant will make the rocket go further because: