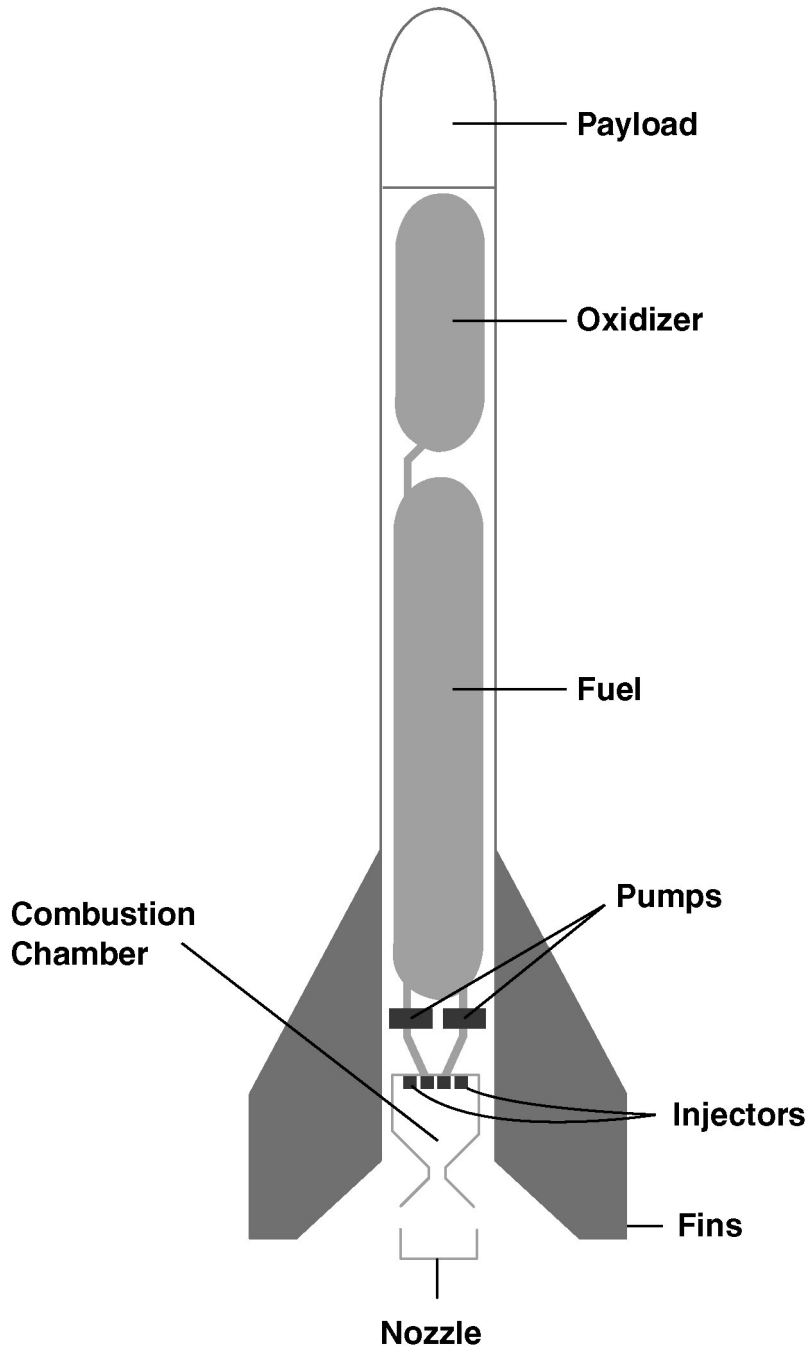


Dynamic Design:
Launch and Propulsion

The History of Rocketry

STUDENT ACTIVITY

Liquid Propellant Rocket





The Anatomy of a Liquid Propellant Rocket

1. Cavity inside the rocket where the fuel and oxidizer are combined.

2. Forces the oxidizer and fuel under high pressure from the storage tanks to the injectors.

3. Lightweight, streamlined appendages that help stabilize and control the rocket.

4. Sprays and mixes the oxidizer and fuel into the combustion chamber.

5. Storage tank that holds liquid oxygen that is mixed with the fuel and burned to power rockets.

6. Storage tank that holds the chemical that is mixed with the air and burned to power rockets.

7. The equipment and instruments carried by a rocket in the nose cone.

8. The exit cone where the hot, fast moving gases generated in the combustion chamber escape providing thrust.