

NOTES: NASA

name: _____

Early manned space programs:

1958-1963: _____

1965-1966: _____

1961-1972: _____

Why did we go to the Moon? _____

Other NASA Projects/Programs (besides the Race to the Moon)

1960's - Now _____

3 types of probes: _____

1973-1974 _____

1981-2011 _____

Launches like a _____ orbits like a _____



Lands like an _____

Why launch from Florida?

Pros: _____

Cons: _____

1998 – Now _____

1990 – Now _____

1960s – Now _____

1. **First law:** An object at rest remains at rest unless acted upon by a force. An object in motion remains in motion, and at a constant velocity, unless acted upon by a force.
2. **Second law:** The acceleration of a body is directly proportional to, and in the same direction as, the net force acting on the body, and inversely proportional to its mass. Thus, $\mathbf{F} = m\mathbf{a}$, where \mathbf{F} is the net force acting on the object, m is the mass of the object and \mathbf{a} is the acceleration of the object.
3. **Third law:** When one body exerts a force on a second body, the second body simultaneously exerts a force equal in magnitude and opposite in direction to that of the first body.