



**Launch
System**



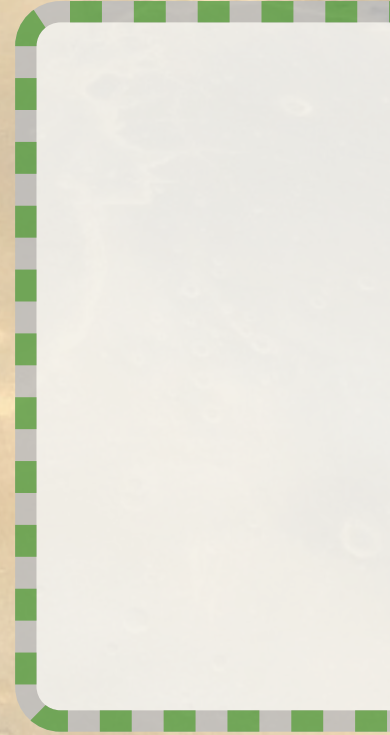
**Power
System**



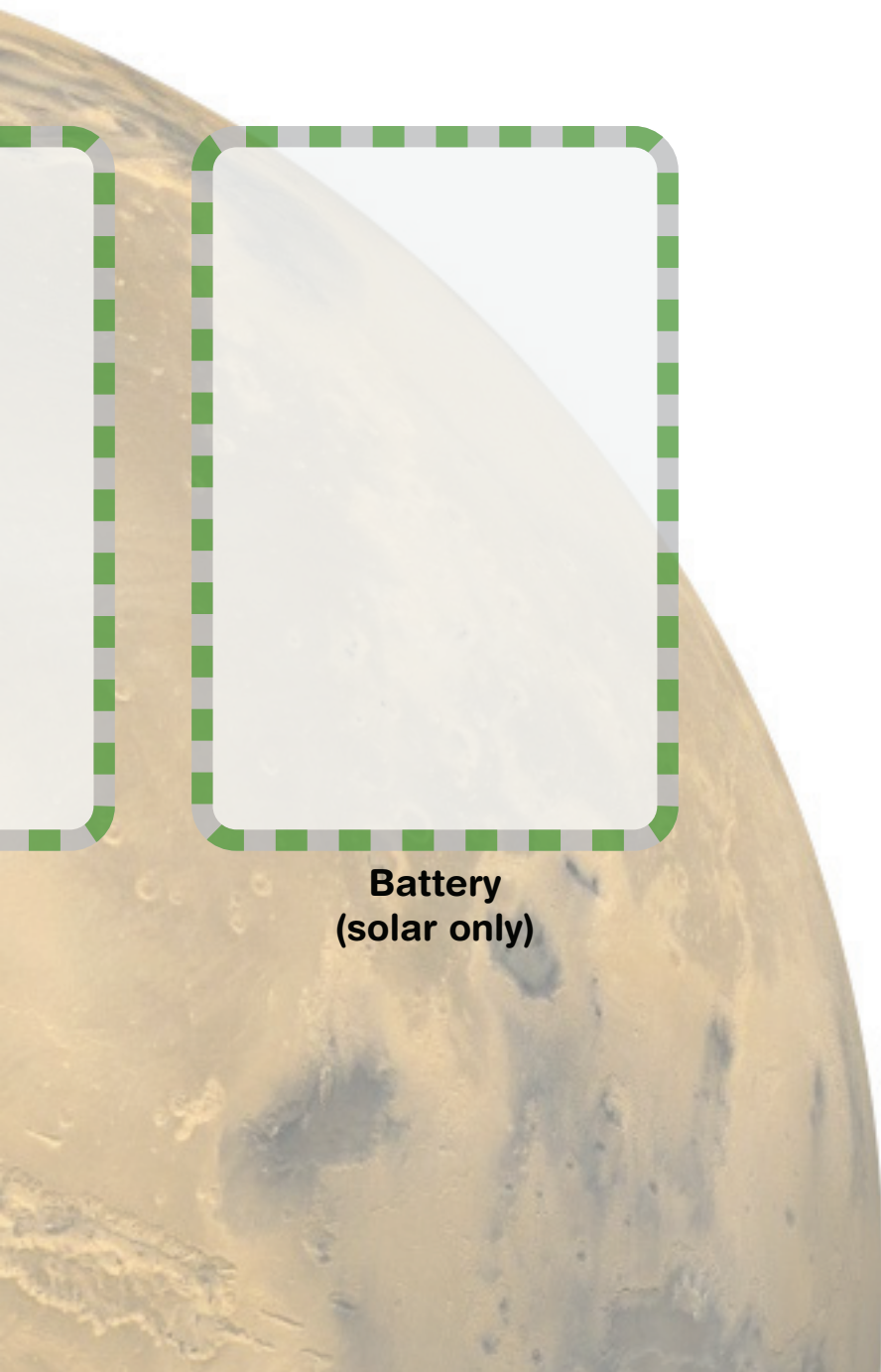
**Rocket
(required)**



**Rocket Nose Cone
(required)**



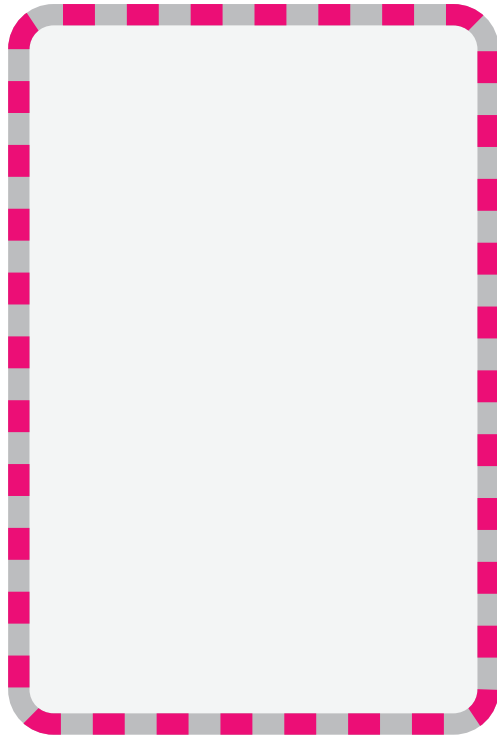
Power System



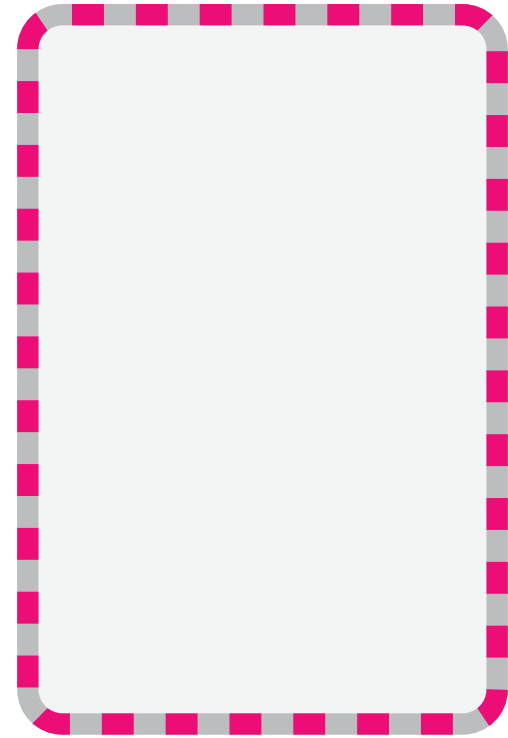
**Battery
(solar only)**

```
0100110101100  
0010111001001  
1100110010000  
0010001010110  
0100
```

Computer System



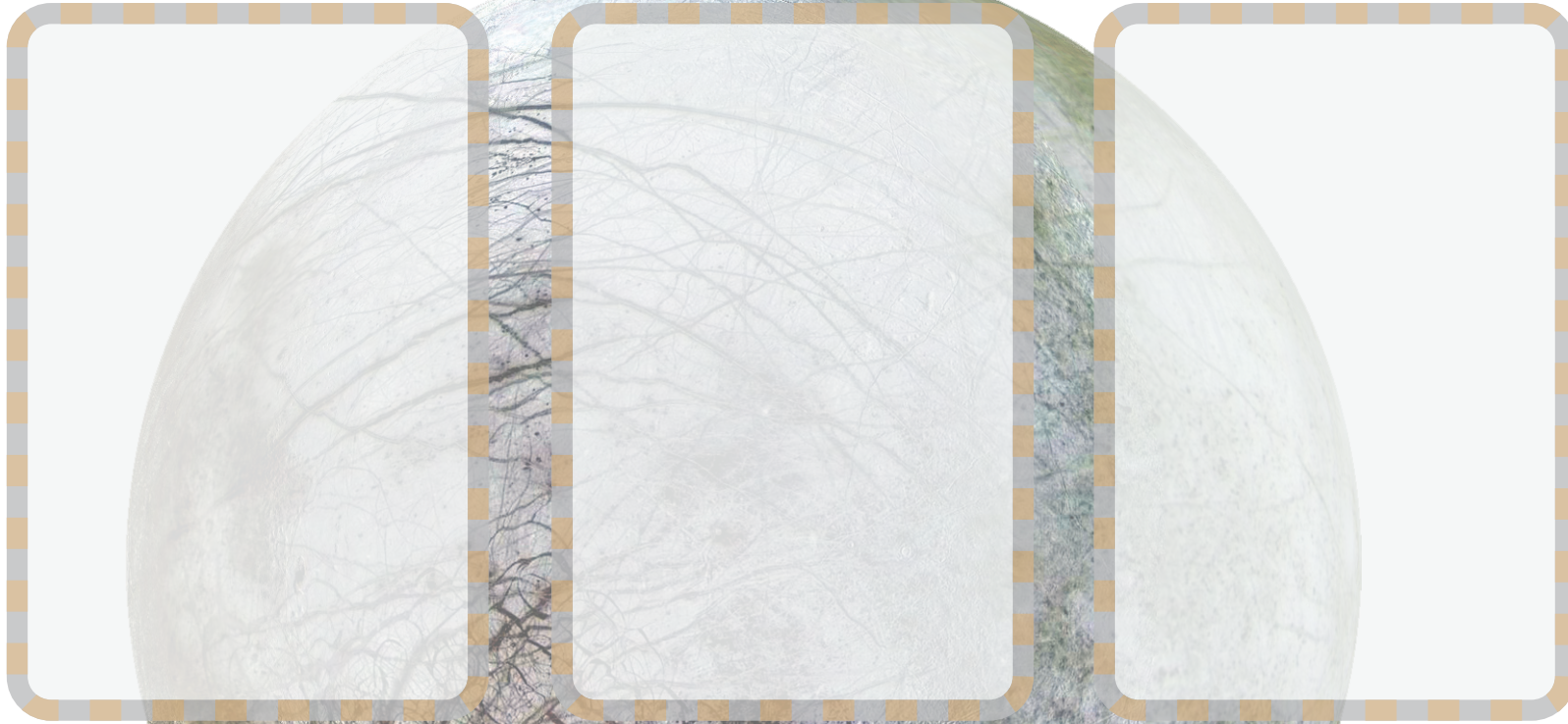
**Microprocessor
(required)**



**Main Bus
(required)**



Communications System



**Main Antenna
(required)**

**Backup Antenna
(optional)**

**Main Memory Card
(required)**

Europa



Mobility System
(not required for orbiter and stationary lander missions)

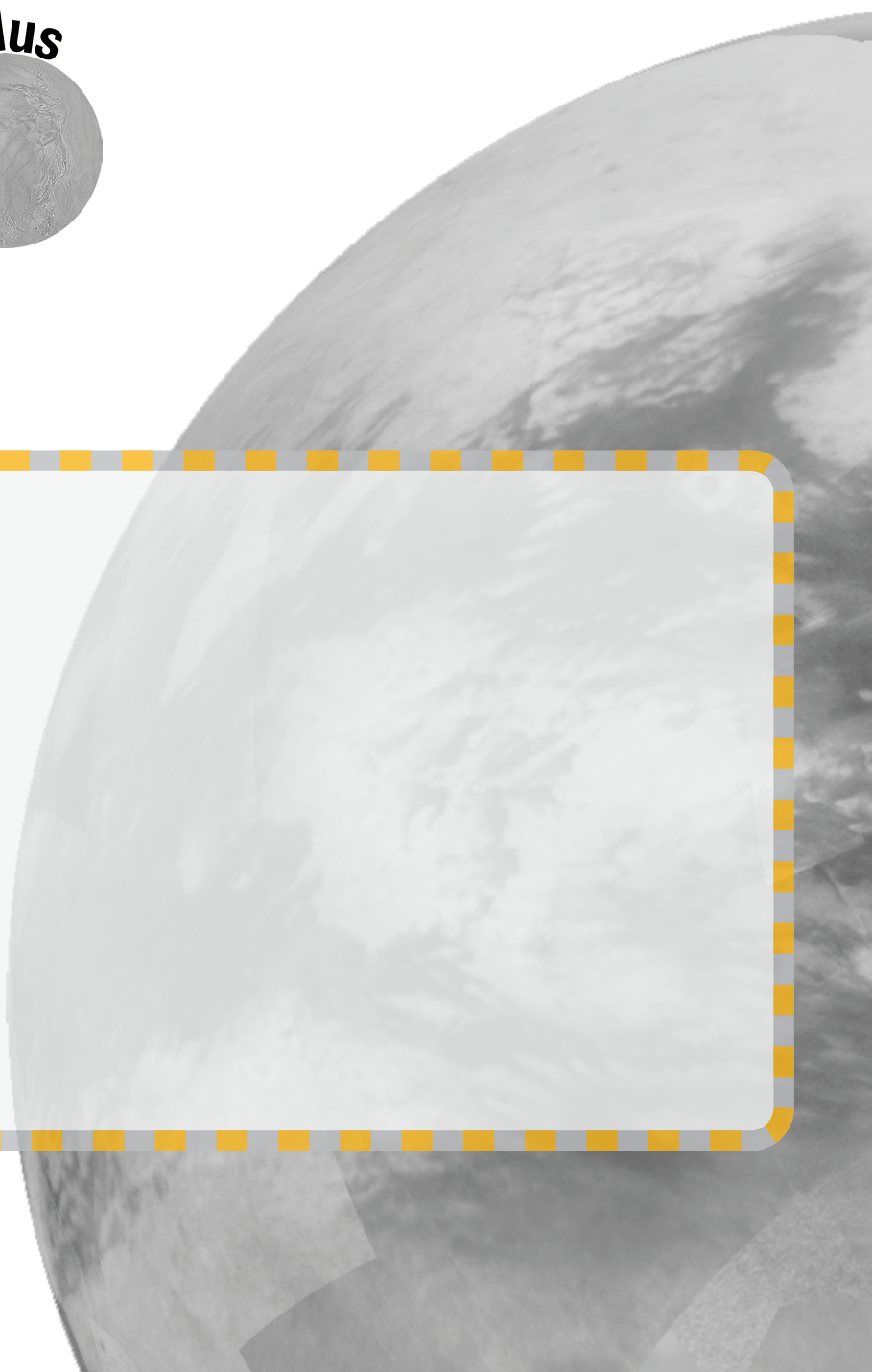
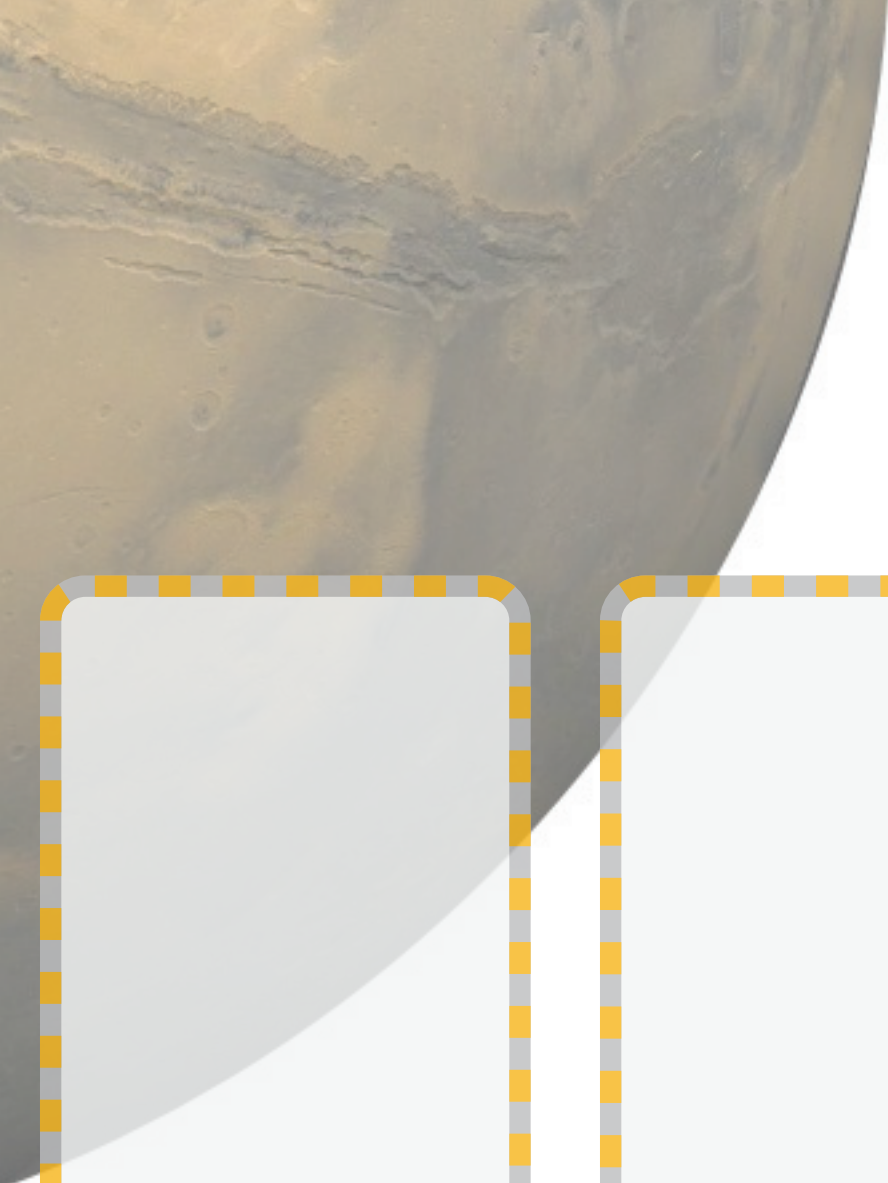


Goals



Mission Target
(required)

Mars



**Mission Type
(required)**

**Biosignatures
(required)**



Mechanical System

A large, empty rectangular box with a blue and white checkered border, intended for selecting optional systems to increase science points.

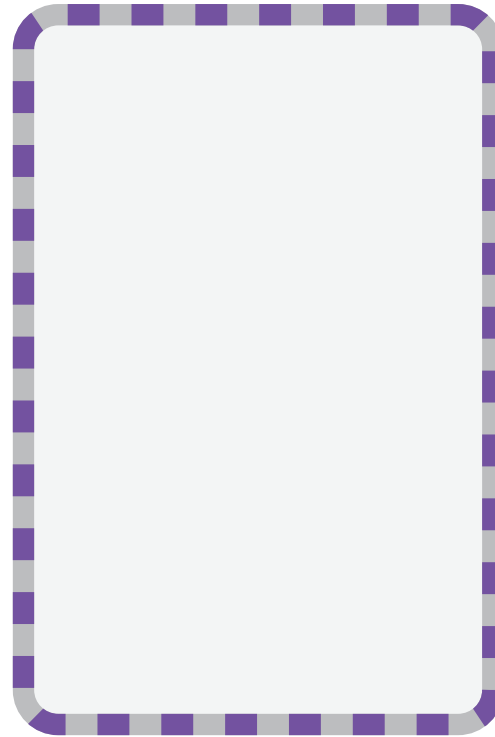
(Choose optional systems to increase science points)



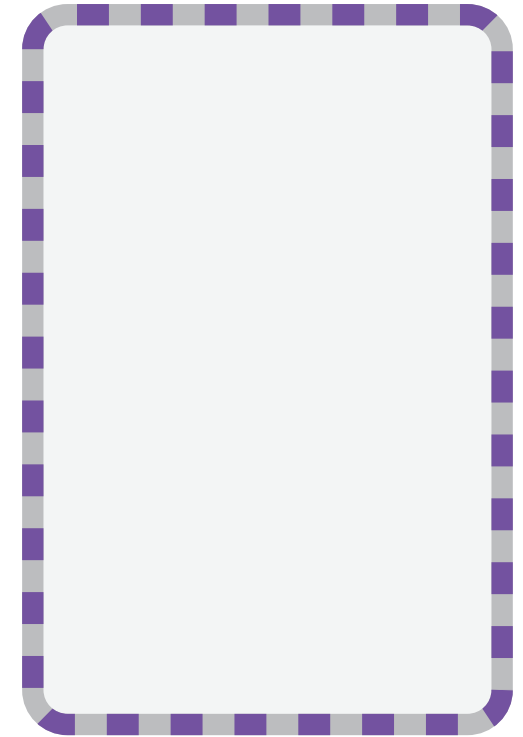
Entry, Descent & Landing System (not required for orbiter missions)



Heat Shield
(required for Mars & Titan)

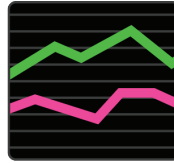


Parachute
(required for Mars & Titan)



Landing System
(required)

ASTROBIOBOUND: THE SEARCH

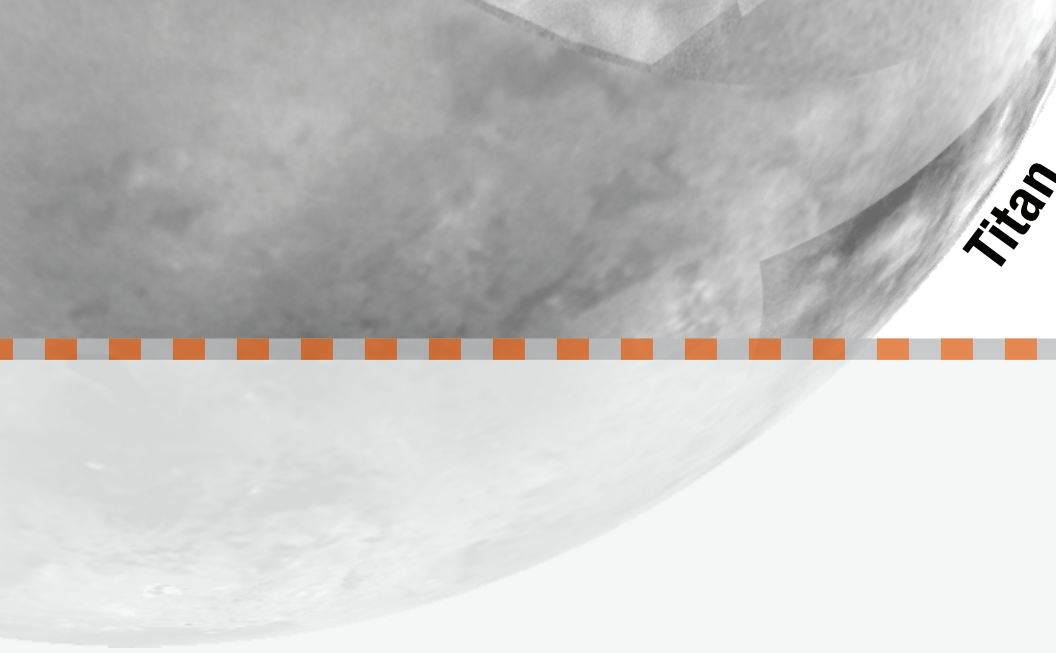


**Science
Instruments**



(Choose instruments to increase science points. Add as many as you want.)

SEARCH FOR LIFE IN THE SOLAR SYSTEM



Titan



any as you like!)

SPACECRAFT DESIGN MAT