

## Planetary Facts Reference Sheet

### Earth: (real)

- Mass:  $5.97 \times 10^{24}$  kg
- Radius:  $6.371 \times 10^6$  m (6,371 km)
- Atmosphere: about 160 km
- Rotational Period: 24 hours (1 Earth day)
- Orbital Radius:  $1.50 \times 10^{11}$  m (150,000,000 km)
- Orbital Period: 8766 hours (365.25 Earth days)
- Major Satellites: 1 (Luna)

### Luna: (real)

- Mass:  $7.34 \times 10^{22}$  kg
- Radius:  $1.737 \times 10^6$  m (1,737 km)
- Atmosphere: none
- Rotational Period: 655.7 hours (27.32 Earth days)
- Orbital Radius:  $3.84 \times 10^8$  m (384,000 km)
- Orbital Period: 655.7 hours (27.32 Earth days)
- Major Satellites: 0

### Kerbin: (fictional)

- Mass:  $5.29 \times 10^{22}$  kg
- Radius:  $6 \times 10^5$  m (600 km)
- Atmosphere:  $7 \times 10^4$  m (70 km)
- Rotational Period: 6 hrs (0.25 Earth days)
- Orbital Radius:  $1.36 \times 10^{10}$  m (13,600,000 km)
- Orbital Period: 2556.5 hrs (106.5 Earth days)
- Major Satellites: 2 (Mun; Minmus)

### Mun: (fictional)

- Mass:  $9.76 \times 10^{20}$  kg
- Radius:  $2 \times 10^5$  m (200 km)
- Atmosphere: none
- Rotational Period: 38.6 hrs (1.6 Earth days)
- Orbital Radius:  $1.2 \times 10^7$  m (12,000 km)
- Orbital Period: 38.6 hrs (1.6 Earth days)
- Major Satellites: 0

### Minmus: (fictional)

- Mass:  $2.65 \times 10^{19}$  kg
- Radius:  $6 \times 10^4$  m (60 km)
- Atmosphere: none
- Rotational Period: 11.2 hrs (0.47 Earth days)
- Orbital Radius:  $4.7 \times 10^7$  m (47,000 km)
- Orbital Period: 299.3 hrs (12.5 Earth days)
- Major Satellites: 0