

### Planet Identification

WHICH CARDS REPRESENT EACH OF THE EIGHT PLANETS OF OUR SOLAR SYSTEM?

Identify each planet by the letter on its card, then provide evidence supporting your claim for each.

PLANETS	CLAIM	EVIDENCE
Mercury	Object <u>E</u>	0.39 AU 67°C ↓ ↑ VIRTUALLY NO ATMOSPHERE SMALLEST PLANET
Venus	Object <u>C</u>	0.72 AU 462°C ↓ ↑ THICK ATMOSPHERE ↳ GREENHOUSE EFFECT SIMILAR SIZE/MASS TO EARTH "EARTH'S SISTER"
Earth	Object <u>F</u>	1.0 AU 15°C ↓ ↑ TERRESTRIAL SMALL FEW MOONS
Mars	Object <u>L</u>	1.5 AU -63°C ↓ ↑ RED → IRON OXIDE SMALLER THAN EARTH
Jupiter	Object <u>D</u>	5.2 AU -108°C ↓ ↑ LARGEST PLANET SWIRLING CLOUDS/STORMS > 67 MOONS
Saturn	Object <u>A</u>	9.6 AU -139°C ↓ ↑ 2ND LARGEST PLANET RINGS OF DUST/ICE > 62 MOONS
Uranus	Object <u>G</u>	19.2 AU -197°C ↓ ↑ BLUE-GREEN → METHANE AXIS OF ROTATION NEARLY SIDEWAYS RING SYSTEM
Neptune	Object <u>I</u>	30 AU -201°C ↓ ↑ STRONG WINDS RING SYSTEM
<b>DWARF PLANETS</b>		PERIOD OF REVOLUTION ORBITAL SPEED ← FROZEN → GASES ← GIANT → LOTS OF MOONS
Ceres	Object <u>H</u>	
Pluto	Object <u>B</u>	
Makemake	Object <u>K</u>	
Eris	Object <u>J</u>	
		ORBITAL PATH "CLUTTERED" WITH LARGE OBJECTS (ASTEROIDS)