

MOON GEOLOGY

THE MOON ON EARTH

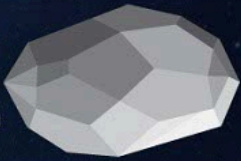
MOON TRAVEL

EGG SHAPED

The moon is slightly egg shaped - its large end is pointed towards Earth.

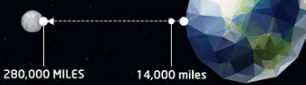
4.5 BILLION YEARS OLD

age of the oldest lunar rock collected on the moon.



280,000 MILES

the distance from Earth. The moon is slowly moving away from the Earth. When it was formed, it was only 14,000 miles away.



**14% BIGGER
30% BRIGHTER**

A full moon when closest to Earth.



**2 HIGH TIDES
2 LOW TIDES**

the moon causes these every day on Earth.



DOUBLE PLANET

At nearly 1/4 of the Earth's diameter but only 1% of its mass, some Scientists consider the Earth-Moon system a double planet.



400

the number of trees on Earth that were grown from seeds taken to the moon by Apollo 14 astronaut Roosa.



EVERY 29.5 DAYS

how often a full moon occurs.



EACH FULL MOON HAS A NAME

- Snow Moon in February
- Harvest Moon in September
- Hunter's Moon in October

27.3 DAYS

The time it takes for the moon to revolve once. This is also the time it takes for the Moon to orbit earth once. This is why we never see one side of the Moon.

WHITE FLAGS

are currently on the moon. Radiation has bleached out their united states colours.



INERTIA

Not wind is what made the US flag ripple when planted on the surface of the moon.

RABBITS

Buddhism and Native American folklore speak of "the rabbit that lives on the moon," a different spin on "the man in the moon"



LUNACY

For thousands of years, humans believed that a full moon could make people "go crazy."



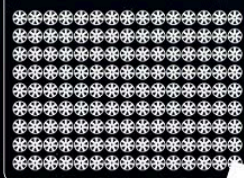
BUZZ ALDRIN

in 2002, the retired astronaut punched a conspiracy theorist in the face after accusations he never went to the moon.



135 DAYS

How long it would take you, driving at 70 mph, to get to the moon by car.



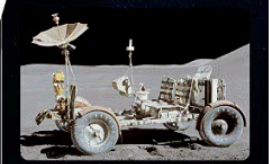
12

people have walked on the surface of the moon.



MOON BUGGIES (LUNAR ROVING VEHICLES)

Specially designed for lunar driving. Carried on Apollo missions 15, 16 and 17.



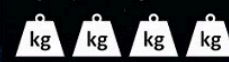
1972

the last time humans stepped foot on the moon.



210KG

weight of LRVs on Earth. They're built to carry four times their weight, up to 490 kg on the moon.



LRVs

LRVs features included

- Computerized navigation
- Satellite TV uplink - able to reach Earth
- Adjustable arm and footrests
- Velcro Seatbelts



THE MOON'S ORBIT IS OVAL SHAPED.

Perigee

225,700 miles (distance when closest to Earth)



Apogee

252,000 miles (distance when farthest from Earth)

*The moon's orbit appears almost perfectly circular to the human eye

TEMPERATURES ON THE MOON

Lowest -153 Celsius on non-sun facing side



Highest 123 Celsius on sun facing side

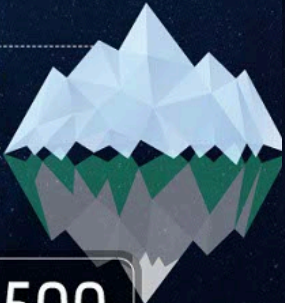
THIN ATMOSPHERE

this means a layer of dust, or a footprint - can sit undisturbed for centuries.



5,000 METRES

height of the moon's highest mountains (About the same height as Earth's highest mountain, Mt. Everest)



4,500 METRES

depth of the moon's deepest craters.

280,000 MILES

the distance from Earth.

The moon is slowly moving away from the Earth. When it was formed, it was only 14,000 miles away.



AMAZING FACTS ABOUT THE MOON