

FORCES

A hand holding a glowing sword against a starry night sky. The hand is positioned in the lower center, gripping the hilt of a sword that extends vertically to the top of the frame. The sword's blade is a bright, glowing cyan color. The background is a dark blue night sky filled with numerous small, white and blue stars. The overall composition is centered and symmetrical.

UNIT 5

FRICTION

Tarmac



40m

Grass



30m

Ice



45m

Sand



35m

The Surface	Distance (M)
1.	
2.	
3.	
4.	

Which droid travelled the farthest distance?

Which droid travelled the shortest distance?

Which surface created the most friction?

Which surface created the least friction?

MAGNETS



Steel



Copper



Iron

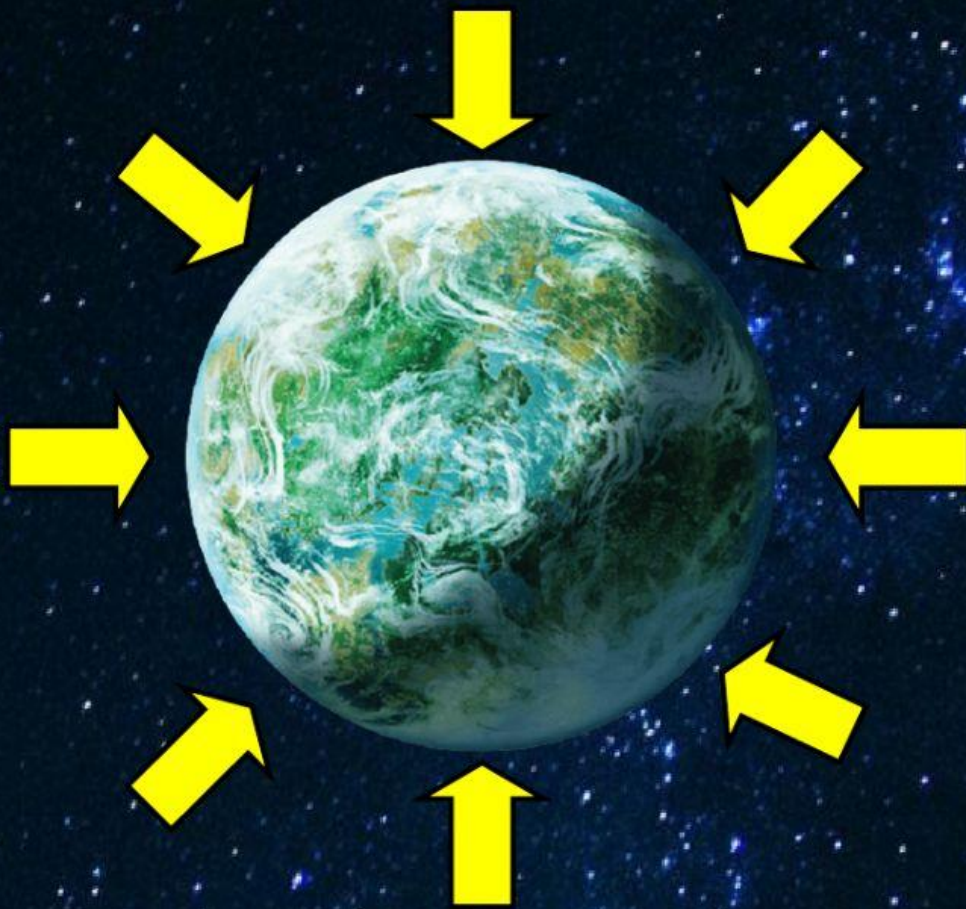


Brass



Nickel

GRAVITY



pulls Isaac newtons mass little force down

Gravity is a _____ that _____ things _____ towards the planets surface.

Gravity was discovered by _____ Newton. He learned that 'what goes up must come down'. This is why we measure force using _____.

Gravity is stronger with objects that have a lot of _____. In space there is _____ gravity so objects float.

FORCES VOCABULARY

Forces

U	A	T	P	M	A	G	N	E	T	I	S	M	R
S	L	O	A	N	C	F	R	I	C	T	I	O	N
A	H	L	I	T	E	H	A	M	O	P	U	S	H
T	S	O	U	T	H	E	A	F	A	O	G	S	C
A	M	V	A	R	E	P	E	L	I	S	T	N	T
T	U	M	U	P	F	O	R	C	E	C	S	O	E
P	G	T	R	O	L	E	C	O	A	F	T	R	H
L	R	H	G	U	O	R	S	R	R	A	A	T	E
A	A	L	G	T	P	U	T	N	O	S	R	H	L
N	V	O	I	O	R	T	F	L	U	M	M	R	I
E	I	P	V	F	A	A	F	R	U	O	P	C	S
T	T	E	A	N	E	W	T	O	N	O	H	G	M
M	Y	C	H	R	P	U	L	L	T	T	T	C	I
H	E	E	R	U	S	A	E	M	G	H	O	I	O

MAGNETISM
SMOOTH
FLOAT
REPEL
ATTRACT
SOUTH
ROUGH
FRICTION
NORTH
SURFACE
FORCE
GRAVITY
PUSH
PLANET
MEASURE
NEWTON
PULL
MASS

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