STW	A detail	7-EARTH, SUN, MOON INTERACTIONS
1	Foece	A push or a pull $\bigcirc \rightarrow \leftarrow \bigcirc$ GRAPE
2.	GRAVITY	The force of attraction between objects
3.	INERTIA	_The term which describes that objects in motion tend to stay in motion and objects at rest tend to stay at rest (unless another opposite force acts
4.	MASS	upon the object) _A measure of the amount of matter in an object
5.	WEIGHT	_A measure of the force of gravity
6.	POTATE	_When an object spins on its axis
7.	REVOLVE	_When an object moves around another object or orbits another object 🗸
8.	DAY & NIGHT	_This is caused due to the earth rotating on its axis
9.	SEASONS	_These are caused by the tilt of the planet as it orbits the sun
10.	PHASES OF MOON	mean as it mayor around the earth
11.	TIDES	These are caused because the moon's gravity pulls on the water and the earth
12.	SOLAR ECLIPSE	These happen when the moon casts a shadow on the earth; it only
		happens when it is new moon
13.	LUNAR ECUPSE	These happen when the earth casts a shadow on the moon; this happens only during full moon
14.	FULL MOON	_This phase of the moon occurs when the earth is between the sun and the
15.	NEW MOON	This phase of the moon occurs when the moon is between the sun and the earth
16	SUMMER	earth Sun S - © Happens in the northern hemisphere when the northern hemisphere is
3	WINTER	tilted toward the sun SON Happens in the northern hemisphere when the northern hemisphere is
	The country	tilted away from the sun
18.	Equinox	_Happens in the spring and the fall when the length of the day and night are equal
19.	SUMMER SOLSTI	Happens on June 21 in the northern hemisphere when we have the longest day and shortest night
20.	WINTER SOLSTICE	_Happens on December 21 in the northern hemisphere when we have the shortest day and longest night

Law of Newton's Law of Gravitation 21. Universal Gravitation States that all objects in the universe are attracted to one another 22. UMBRA The name given to the darkest and smallest part of the shadow in a total lunar or solar eclipse Sec diagram below 23. PENUMBRA The name given to the lighter and larger part of the shadow in a partial lunar or solar eclipse See diagram below Andrew 24. ELLIPSE The name of a "not perfect circle" or somewhat flattened or oval like circle; planets orbit in this kind of orbit See moon phase diagram below POUNDS The unit weight is measured in GRAMS The unit that mass is measured in 374170-1 NEWTONS The unit that gravity is measured in 28. TRIPLE BEAM BALANCE
The instrument used to measure mass BUJOURS 29. SCALE The instrument used to measure weight The time it takes for earth to make one rotation (one spin) The time it takes for the earth to make one revolution (move around sun) The time it takes for the moon to rotate on its axis and revolve around the earth The amount of tilt the earth has on its axis. The planet that has a 98 degrees tilt and spins or rotates nearly on its side; has very distinct seasons as a result VENUS The planet that has no tilt and therefore no seasons 35. MMONI -

WORD BANK—USE EACH WORD ONE TIME

VENUS, URANUS, 23.5 DEGREES, 27.3 DAYS, 24 HOURS, 365 DAYS, SCALE, TRIPLE BEAM BALANCE, GRAMS, NEWTONS, POUNDS, NEWTON'S LAW OF GRAVITATION, UMBRA, PENUMBRA, ELLIPSE, GRAVITY, WINTER SOLSTICE, SUMMER SOLSTICE, FORCE, EQUINOX, WINTER, SUMMER, NEW MOON, DAY & NIGHT, FULL MOON, INERTIA, REVOLUTION, WEIGHT, MASS, ROTATION, LUNAR ECLIPSE, SOLAR ECLIPSE, TIDES, SEASONS, MOON



