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Gravity

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| **Across**  **1.** The two days of the year on which the sun is at its greatest distance.  **3.** The partial or total blocking of an object in space  **6.** A force that pulls rocks and other materials and attracts objects together.  **7.** The study of the moon, stars, and other objects in space.  **10.** Partially shaded outer region of the darkest part of the shadow.  **13.** The blocking of sunlight that occurs when the moon is in between the Earth and the sun.  **14.** One of the different apparent shapes on the moon as seen on Earth.  **15.** An imaginary line between the North and South poles.  **16.** A tide with the least difference between a low and high tide that occurs when the sun and the moon pull with right angles at each other at the first and third quarters.  **17.** The force of gravity on an object.  **19.** The partial or total blocking of an object by another in space  **20.** The blocking of sunlight that occurs when the Earth is directly in front of the moon. | **Down**  **2.** The tendancy of an object to resist change of motion.  **4.** The path of an object that revolves around another object in space.  **5.** A rise and fall of the ocean due to the moons gravity.  **8.** The darkest part of a shadow  **9.** The spinning motion of a planet in its axis.  **11.** The amount of matter in an object.  **12.** A tide with the greatest distance between a low and high tide.  **18.** A push or pull exerted on an object. |