

# Family Astronomy Game

**Supplies:** This game sheet, pair of dice, pencils & paper (optional: timer).

**Directions:**

1. Starting with the youngest, each family member takes a turn by rolling a pair of dice. They find the square the numbers correspond to vertically and horizontally and reads the sentence or question out loud, then gives an answer.  
**Example:** Mom rolls a 2 and a 5. She goes horizontally to the square under the 2nd column then vertically down to the 5th row and reads the question out loud. She answers "NASA enineer".
2. For more competitive families, split members into two teams and set a timer for a specific time (e.g. 15 seconds) per question. The team gets a point if a member answers within the time limit.
3. Each family member or team gets one "HELP" (may be written on a 3x5" index card). They may ask for help from another family member or use the Internet to find the answer.
4. Set a time limit to play the game (e.g. 20 minutes), or end when the first team reaches a set number of points (e.g. 10 points).

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	1	2	3	4	5	6
<b>1</b>	My favorite celestial object in the night sky is...	What is the Oort cloud and where is it located?	I smile every time I think about this celestial object...	If I could name a star, I would call it...	What is the sixth planet from the Sun in our solar system?	Name a constellation. BONUS: draw it.
<b>2</b>	Name a planet and give one fact about it.	What is a piece of equipment that can be used with a telescope?	Name a famous astronomer.	What is the speed of light?	"I can watch a lunar eclipse with just my eyes." True or False?	What would you study if you were a professional astronomer?
<b>3</b>	Name a way to watch a solar eclipse safely.	What is a nebula? BONUS: name one.	As of today, how many moons of Jupiter have we discovered?	If I could travel to any planet, it would be _____ because...	What is a reflecting telescope?	What observatory is a facility of the Houston Museum of Natural Science?
<b>4</b>	How many exoplanets have been discovered up to now?	My favorite planet is _____ because...	How fast is the speed of light?	Name an astronaut.	Name a bright star.	What is a black hole?
<b>5</b>	What is a refracting telescope?	Name a career that is related to astronomy or space.	What is a star?	How many stars are in a galaxy? (few or millions)	My favorite constellation is...	Name a space telescope.
<b>6</b>	What is Einstein's General Theory of Relativity?	Tell a short story or myth related to a constellation.	Where is the main asteroid belt in the solar system?	I do/do not want to be an astronaut because...	What is a galaxy?	An astronomical event I would like to see or experience is...