



OUT OF THIS WORLD

BOREDOM BUSTER FOR 1:1 OR INDIVIDUAL ACTIVITIES

ACTIVITY DIRECTORS' QUICK GUIDE

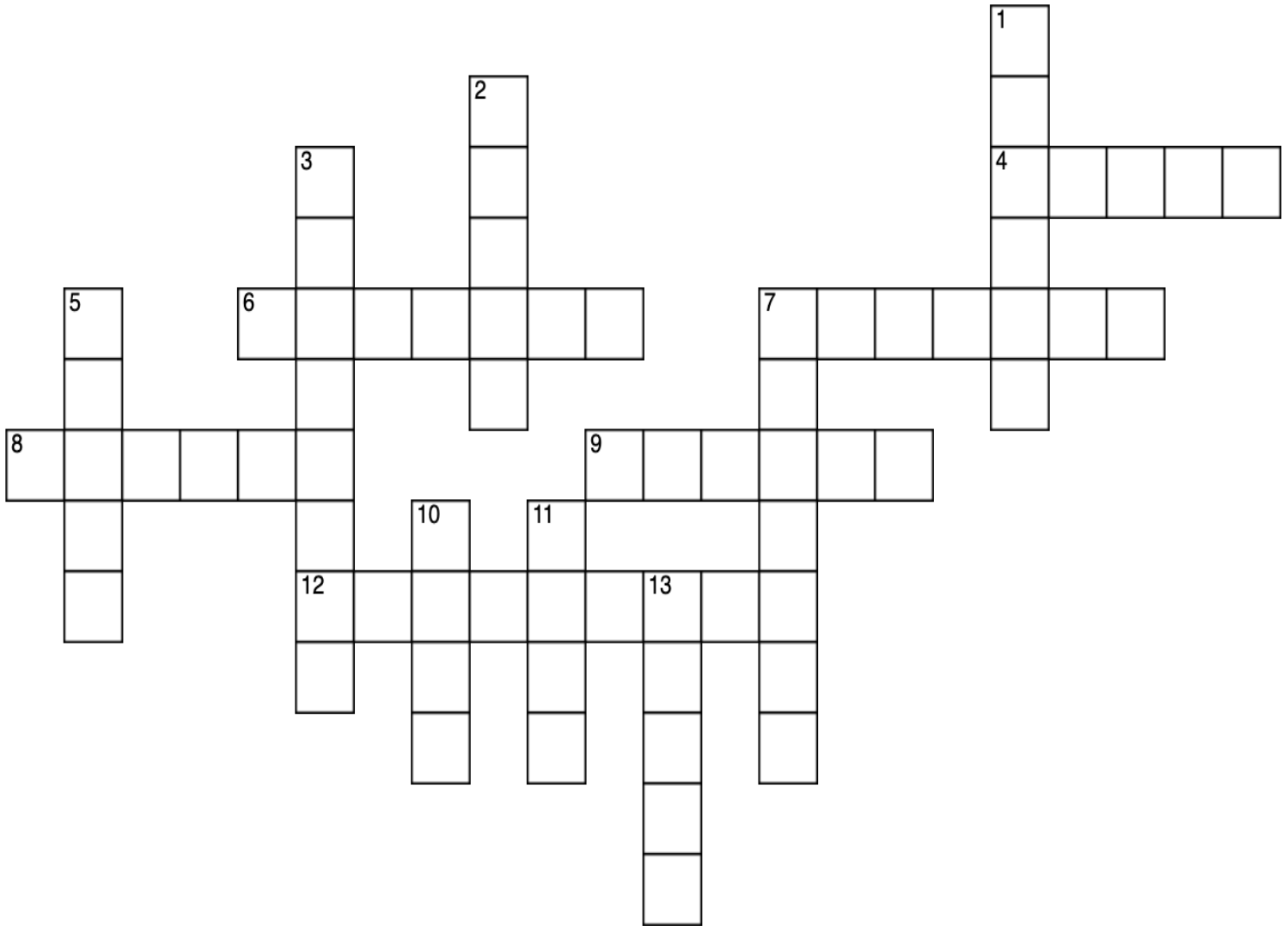


OUT OF THIS WORLD

“The stars will never be won by little minds;
we must be big as space itself.”

—Robert Heinlein

Our Universe – Answers on page 22



Across

4. Smallest planet in our galaxy
6. Where Kennedy Space Center is
7. Famous comet
8. Guardians of the _____
9. Planet with many rings
12. Man in space

Down

1. Constellation big or little
2. Path planet takes around sun
3. We are in this galaxy
5. International _____ Station
7. _____, we have a problem
10. _____ Wars or Trek
11. Full, waning, waxing
13. Little, green man

Sudoku - Answers on page 23

How to play:

- Use Numbers 1-9 to fill empty boxes.
- Don't Repeat Any Numbers in any 3x3 square, row or column.
- Use Process of Elimination.

				9		7		3
123456789	123456789	123456789	123456789		123456789		123456789	
			2			4	6	
123456789	123456789	123456789		123456789	123456789			123456789
	7		6	1		2	5	
123456789		123456789			123456789			123456789
						6		
123456789	123456789	123456789	123456789	123456789	123456789	123456789	123456789	123456789
		4						
123456789	123456789		123456789	123456789	123456789	123456789	123456789	123456789
5	2	3						
			123456789	123456789	123456789	123456789	123456789	123456789
1				5				
	123456789	123456789	123456789		123456789	123456789	123456789	123456789
	5	6	7	4		3		
123456789					123456789		123456789	123456789
7				2	9			
	123456789	123456789	123456789			123456789	123456789	123456789

Daily Jumble – Space!

B	L	C	A	K
---	---	---	---	---

H	L	O	E
---	---	---	---

A	T	D	O	I	S	E	R
---	---	---	---	---	---	---	---

S	T	U	N	A	R
---	---	---	---	---	---

O	T	C	E	M
---	---	---	---	---

X	G	L	A	A	Y
---	---	---	---	---	---

Answers: Black Hole, Asteroid, Saturn, Comet, Galaxy

Word Mining

How many words can you make from this phrase?

“Andromeda Galaxy”

What time do astronauts eat?

At “launch” time



Trivia!

How much do you know?

1. Which planet in our solar system has the most moons?
 - a. Saturn
 - b. Jupiter
 - c. Venus
 - d. Neptune

2. What is the name of NASA's most famous space telescope?
 - a. Hubble Space Telescope
 - b. Spitzer Space Telescope
 - c. Gemini Space Telescope
 - d. South Pole Telescope

3. How many individuals have visited the International Space Station?
 - a. 135
 - b. 230
 - c. 450
 - d. 25

4. Which U.S. President created NASA?
 - a. President John F. Kennedy
 - b. President Franklin Roosevelt
 - c. President Dwight Eisenhower
 - d. President Harry Truman

5. In what year will Halley's Comet orbit past Earth next?
 - a. 2053
 - b. 2021
 - c. 2061
 - d. 2200

6. What year did the "Space Race" begin?
 - a. 1947
 - b. 1955
 - c. 1963
 - d. 1942

7. How much does a full NASA space suit cost?
 - a. \$12,000,000
 - b. \$4,000
 - c. \$1,000,000
 - d. \$10,000

8. Who was the first man to walk on the Moon on July 20, 1969?
 - a. Buzz Aldrin
 - b. Michael Collins
 - c. Tim Tebow
 - d. Neil Armstrong

Answers: 1. B / 2. A / 3. B / 4. C / 5. C / 6. B / 7. A / 8. D

Galaxy Suncatcher!



Step 1: Select your stained-glass paints and squirt onto your clear acrylic plate.

Step 2: Using your Q-Tip, swirl the paint around to cover the whole plate. Add paint as needed. Get creative with your color combinations!



Step 3: Allow the stained-glass paint to dry and then using the white acrylic paint, spatter “stars” on your plate or draw stars.

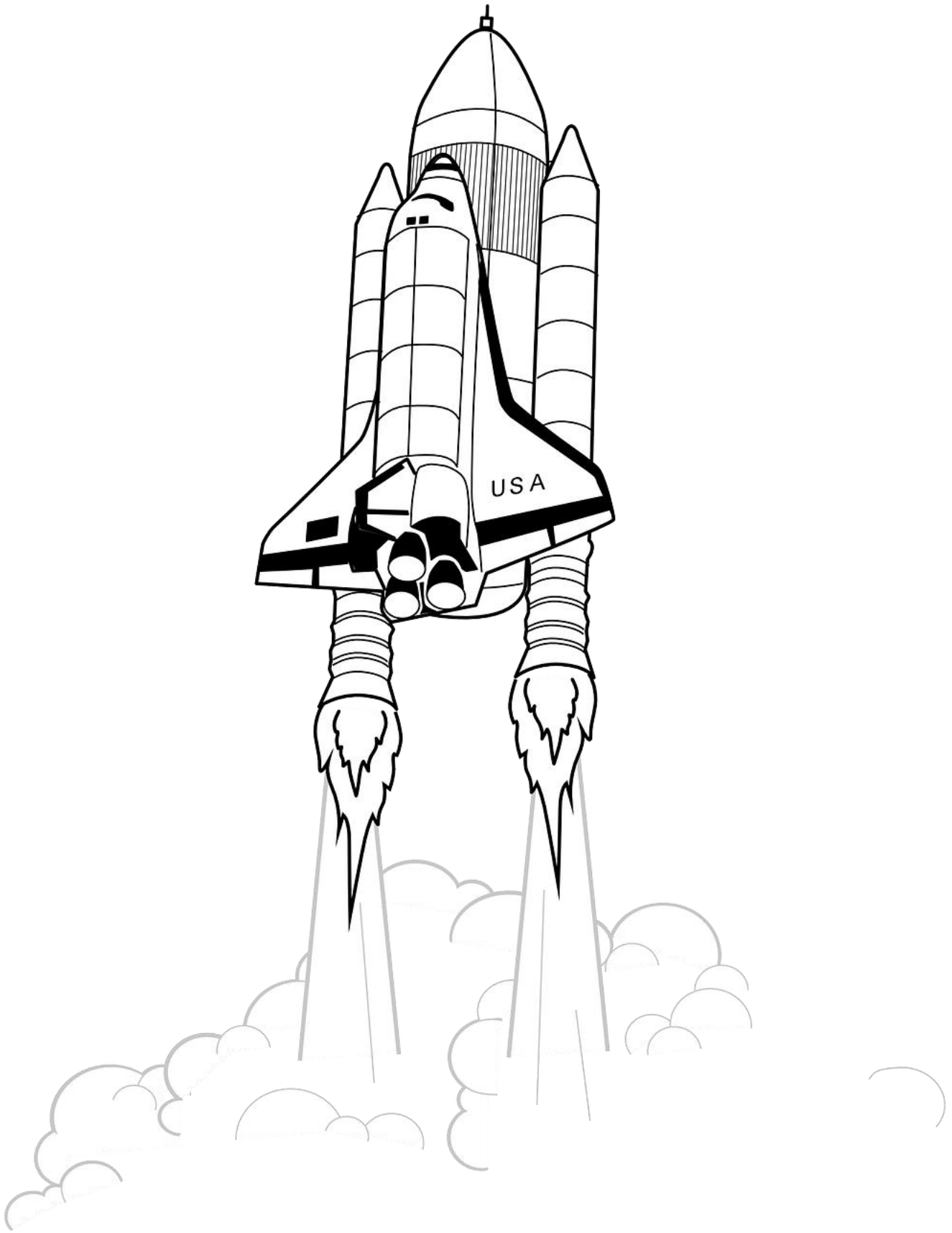
Step 4: Once dry, tape or hang in the window!

Activity courtesy of [Adventure in a Box](#).

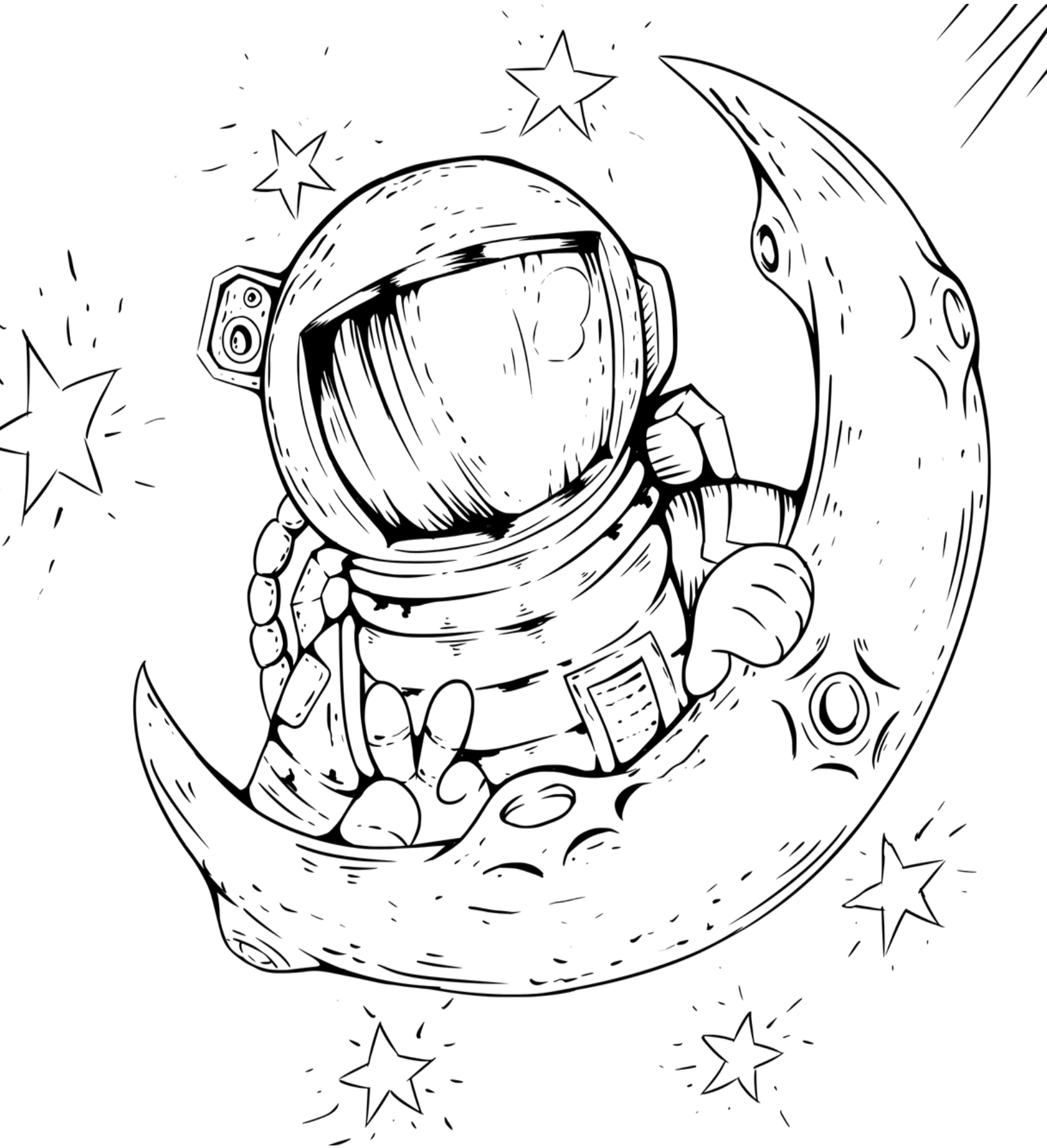


Photos courtesy of Adventure-in-a-Box.com

Coloring for Mindfulness



Coloring for Mindfulness



Today I Learned ... Why Aliens Are Called “Little Green Men”



It was summer of 1955 and, despite the heat, they all four clamored into the car and headed out of Pennsylvania for a weekend of celebration. Elmer, Vera, and their friends Billy Ray and June decided to commemorate Elmer’s approaching 25th birthday by visiting his family in Kentucky.

Glennie, Elmer’s mom, lived on a small farm, and although widowed twice, her home was far from empty. She lived there with her three young children, her adult son, CJ, his wife and her brother. When Elmer and his friends arrived, it certainly made for a house full of laughter and food as the family was reunited. After dinner, the family settled into some card games at which time Billy Ray went out to the well pump to fill his water glass. While outside, the twinkling stars of the evening were not all he saw in the sky.

Bursting into the kitchen, with a look of terror across his face, Billy Ray claimed something unnatural had streaked across the sky and vanished into the woods. He said it was large, round, and metal. The family laughed and shook their heads at him, believing Billy Ray was pulling a fast one over on them. Because Elmer and Billy Ray were close friends, Elmer decided to see for himself, as he had never taken Billy Ray to be much of a prankster. He stood up and headed towards the nothingness of the farm. As the men spoke around the well, a light began glowing from the woods.

Through the trees a shape emerged, one unlike anything the men had ever seen. It was short and gray, with thin legs, a large torso, and it was glowing. It moved without taking steps, as though it were floating, arms outstretched towards the men. Both men ran back to the house, at which point, Glennie became alarmed by the men's reaction, shoos the younger children off to bed.

Returning, she found both Elmer and Billy Ray perched at the kitchen table, shotguns fixed on the doors. Unblinking, Elmer held his gaze towards the dark door while his mother, frantic, insisted the boys stop their prank immediately. Billy Ray momentarily left his guard to turn towards Glennie and tell her he hoped she would never have to see what they saw, but moments later, she did.

A shape appeared, with long spindly arms. Billy Ray fired his weapon through the screen door. Although he was certain he had hit his mark, there was no body and no blood. He stepped outside to investigate, and as he looked up, he caught a glimpse of those long spindly arms reaching towards him from the roof. Instinctively, Elmer began shooting at the figure on the roof. His brother CJ, who was upstairs, says he saw an oddly shaped face with a claw like hand appear in his window. He too opened fire at the creature and just as before, the creature was unharmed and seemed almost to float away.

While these creatures seemed to be surrounding the outside of the house, inside was filled with chaos. Glennie, a devoutly religious woman, prayed and swore these creatures were sent by the devil. Elmer and Billy Ray believed they were dangerous.

While the family weighed their options, they paused to consider whether they were approaching the situation all wrong. As they reflected on the creatures, they agreed the creatures tended to approach with arms wide open, as though possibly surrendering. Were they seeking help from those on the farm?

Either way, the family decided to head to the nearest town. They headed to Hopkinsville, clamoring into the police station. The younger children were crying, the men were fearful, and as they told the officer their story, many details were lost. The single officer on duty called Police Chief Greenwell, and relayed the family's story. Instead of dismissing the notion immediately, Greenwell gave some credibility to their story having had his own unusual experience years before.

He gathered a small crew to visit the farm, which included the Kentucky State Police, soldiers from nearby Fort Campbell and some men from the Hopkinsville Police Department. In addition, *Kentucky New Era*, the local paper, caught wind and met them at the farm, quickly transforming the farm into a circus.

What they found was what you'd expect— spent casings, holes in screen doors, shattered windows, but no sign of the creatures the family described. However, it is said they found a glowing liquid that had stained a number of surfaces including the porch and outside the upstairs window. Concluding their work, the police and newspaper left, leaving the family alone on the dark, quiet farm. Glennie claimed she saw the same gray face in her window that night, but it was never seen again. Glennie sold the farmhouse shortly after.

The next day the paper was titled "*Story of Spaceship, 12 Little Men Probed Today*". It was sensational. At this time, the American public was obsessed with UFOs and aliens, as the Roswell, New Mexico incident was still fresh. Skeptics quickly said the family had an encounter with owls while others thought the family had just had too much to drink. However, Glennie did not allow drinking in her home and the police had not found evidence of alcohol use during their investigation. Many questions still remain unanswered.

Today, some consider their experience one of the best documented cases of alien encounters.

While well documented, the paper who ran that first sensationalized story got many of the details wrong. For example, the family claimed to have seen between 3-4 creatures, not 12. But the most famous error is one that still stays with us today. The family described the creatures as gray, however the paper claimed they were green, giving rise to the phrase, "Little Green Men".

Categories

Name an item that fits in each category and starts with the corresponding letter! For example, for “Name something that can fly” for “S” an answer could be “Spaceship”

	S	T	A	R
Name something that can fly				
Name a star, planet or galaxy				
Name a superstar (actress/actor/musician)				
Name an astronaut (first or last name)				
Name a movie about space or aliens				
Name a word that reminds you of space				

Did You Know? How Full Moons Got Their Names

Naming full moons dates back to Native American tribes living in the eastern and northern parts of the United States, who kept track of the seasons by giving names to each recurring full moon. See how a few of the most common full moon got their names below:



Harvest Moon

The Harvest Moon relates to the timing of the autumnal equinox. The full moon closest to this date is takes on the name “Harvest Moon”. During this time, the moonrise comes soon after sunset (~30 minutes after) resulting more bright moonlight early in the evening. This aided farmers in harvesting their summer-grown crops, hence the name “Harvest” moon!

Blue Moon

The moon takes about 354 days to complete 12 full cycles. About every 2.5 years the difference in days adds up to an extra cycle, allowing for a 13th full moon. The origin of “Blue Moon” is uncertain.

Blood Moon

The “Blood Moon” was named for its red appearance. This happens during a lunar eclipse, when the Earth lines up between the Moon and Sun, hiding the Moon from sunlight. Sometimes dust or smoke in the atmosphere can cause the moon to have a reddish appearance.

Supermoon

A “Supermoon” is when the moon is closest to Earth in its orbit, making it appear larger than normal.

How Full Moons Get Their Names cont’d

Below are the full moon names and how they got them according to Native American culture by month.

January – Wolf Moon

Wolves tended to howl more often at this time due to food scarcity in the winter months. Other names are Old Moon, Ice Moon, and Spirit Moon.

February – Snow Moon

February tends to bring the heaviest snowfalls in North America, hence its name.

March – Worm Moon

Because the ground begins to soften, earthworms reappear signaling the last full moon of winter. It also has been called the Sap Moon after the tapping of maple trees.

April – Pink Moon

Named by northern Native Americans after a wildflower that would bloom during this month. Other names include Hare Moon, Sprouting Grass Moon, Egg Moon, and Fish Moon.

May – Flower Moon

Because an abundance of flowers bloomed in May, the full moon for May was named flower moon. Other names include Corn Planting Moon and Milk Moon.

June – Strawberry Moon

In the colonial areas of the United States, June was gathering season for strawberries. Other names include Rose Moon and Hot Moon.

How Full Moons Get Their Names cont'd

July – Buck Moon

This moon got its name thanks to the growing cycle of buck's antlers. Shed each year, the antlers would begin growing again in July. Other names include Thunder Moon as an ode to summer storms.

August – Sturgeon Moon

Coined by fishing tribes, the sturgeon would appear in abundance during this month. Other names are Grain Moon and Red Moon.

September – Full Corn Moon

This moon relates to corn crop gathering. Another name is Barley Moon.

October – Hunter's Moon

October is the preferred month to hunt deer and fox because of extended moonlight in the night and barren plant life.

November – Beaver Moon

How this moon got its name is controversial. The two theories are 1) this was the month beaver traps were placed or 2) this is when beavers were at their busiest building their winter dams.

December – Cold Moon

This moon is named to signal the coming of winter. Other names include Long Night Moon and Oak Moon.

Out in Space Word Search

F P X W R Y R Q A R Q X M K N
 M R L N N A S A O W T G G T R
 V R T A N K N E M E C A P S O
 C Z J I N O T R Q Z R I N C I
 C O N S T E L L A T I O N O E
 S Z F S M O T W P C S W M M B
 N S U N L H W H K G A M P E R
 P O K L A S A Y H A T B A T O
 H J O S T C K J I W E K J D C
 O P U A R O I A X A L F N Z K
 A H R K A H N O O M L E C V E
 P N W M K T T A X R I N N M T
 G A L A X Y U M L L T S U W O
 G X W L B A P M A H E T S G F
 M O O E E X S F X Y D B T W U

SPACE
 ROCKET
 STAR
 GALAXY
 COMET
 SATELLITE

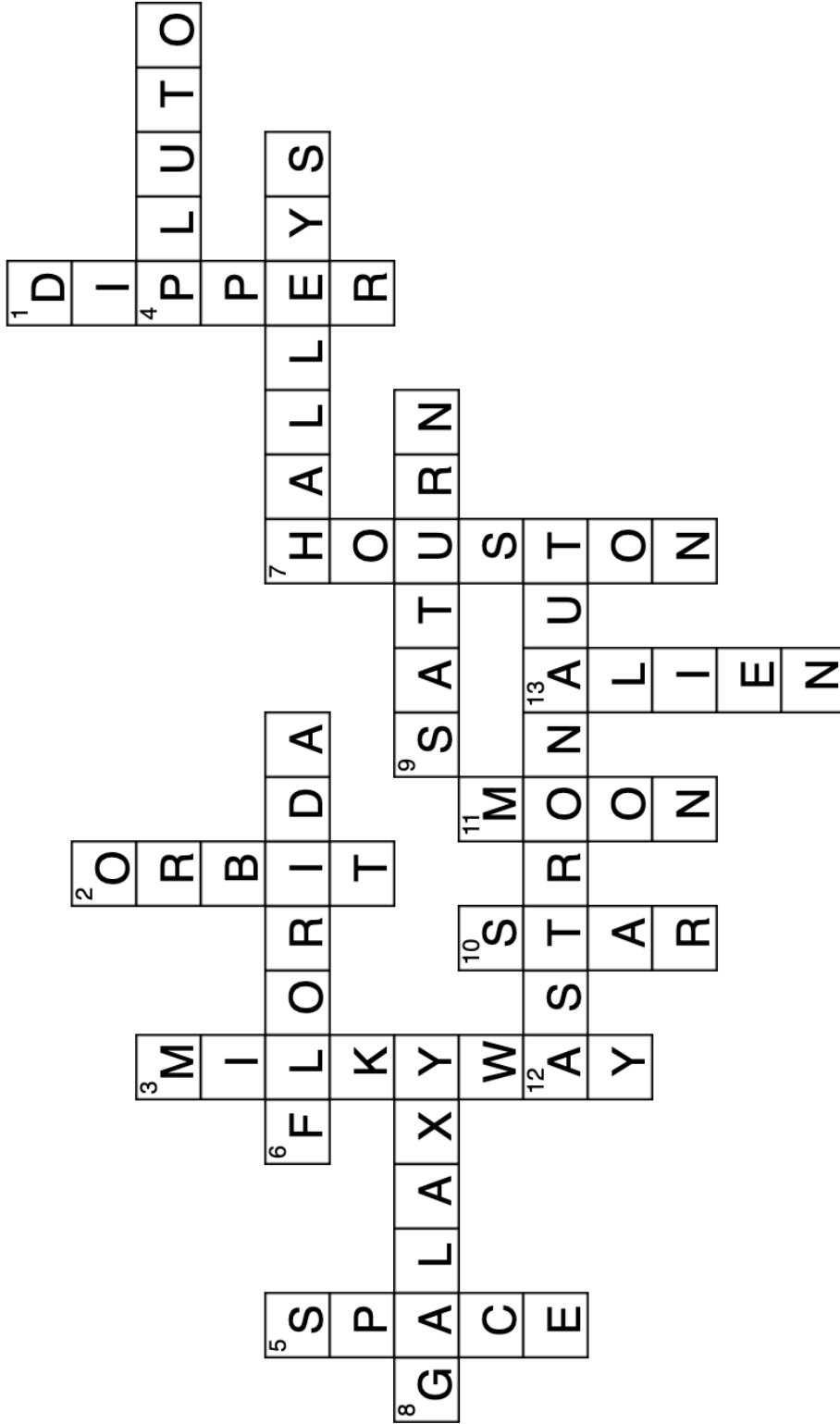
ALIEN
 METEOR
 NASA
 SPUTNIK
 APOLLO
 HOUSTON

CONSTELLATION
 MOON
 SUN
 PLANET



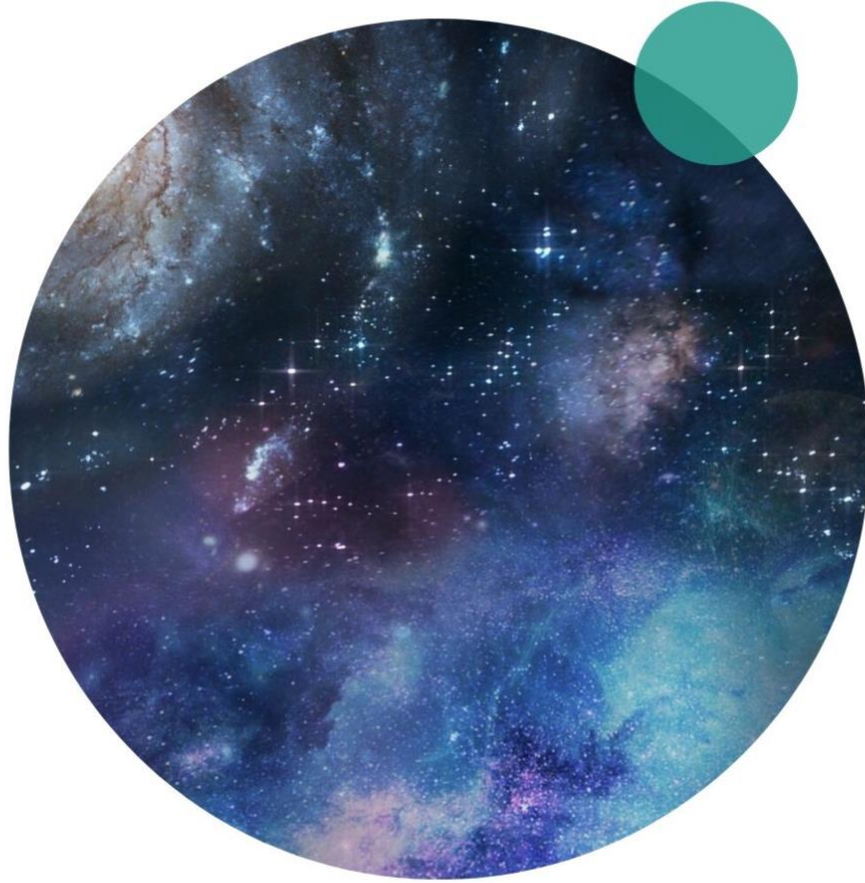
ANSWER KEY

Space Crossword Answers



Sudoku Answers

2	6	5	8	9	4	7	1	3
3	8	1	2	7	5	4	6	9
4	7	9	6	1	3	2	5	8
8	1	7	4	3	2	6	9	5
6	9	4	5	8	7	1	3	2
5	2	3	9	6	1	8	7	4
1	4	2	3	5	6	9	8	7
9	5	6	7	4	8	3	2	1
7	3	8	1	2	9	5	4	6



MORE THINGS TO DO!

Rally your family together and name a star! Turns out you can name a star through the [Online Star Register!](#)

Watch a movie or TV series about Outer Space:

- Armageddon
- Apollo 13
- Star Wars
- Star Trek

Create your own constellations in the [connect the dot activity!](#)

Have a smartphone? Download an app called “Night Sky”. Once downloaded, point your phone up anywhere in the sky (even through ceilings) to see which stars, constellations or galaxies are above you!

Create and name each [phase of the moon with Oreo cookies!](#)

Play this fun game with your activity director—[Planet Naming!](#)