



# Astronaut Academy Clue Sheet

Complete the escape room tasks for 5 number clues. Write these clues in the boxes below and break the code to win.

1. Be a crafty coder and use the algorithm to complete the grid and reveal the first number clue.
2. Time to measure up. Which beaker has the largest volume of liquid? Convert the units to milliliters. Largest volume is your answer.
3. The art to completing the escape room lies in sorting a display. Complete the puzzle to reveal the number.
4. This have been given to you. Find the rest and crack the code.
5. This task is out of this world. Order the planets for your next number.

Write your number answers for each task in the boxes provided then break the code to escape the **STEM** room.

Task 1	Task 2	Task 3	Task 4	Task 5
			1	

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26



# Astronaut Academy Task 1

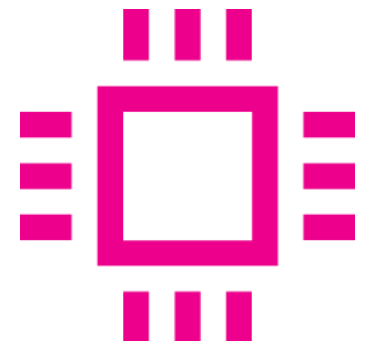
## Awesome Algorithms

Task 1 of the STEM escape room is to follow the algorithm (shown in the table on the right) and colour in the grid sheet provided. This should reveal one of the 5 numbers that teams need to win.

*Algorithm: A process or set of rules to be followed in calculations or other problem-solving operations. Normally used to write code in computing science.*

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35

The starting point is the star






# Astronaut Academy

## Task 1

### Awesome Algorithms

Use the algorithm to colour in the grid and reveal the 1st number clue.

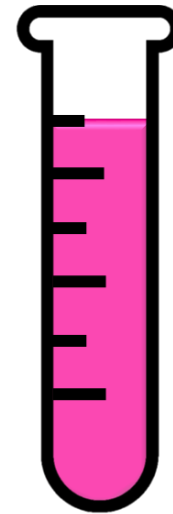
## Astronaut Academy Task 2



14cl



0.2L



12cl



21cl



0.6cl



0.195L

Which beaker has the highest volume?

This number is the answer for task 2

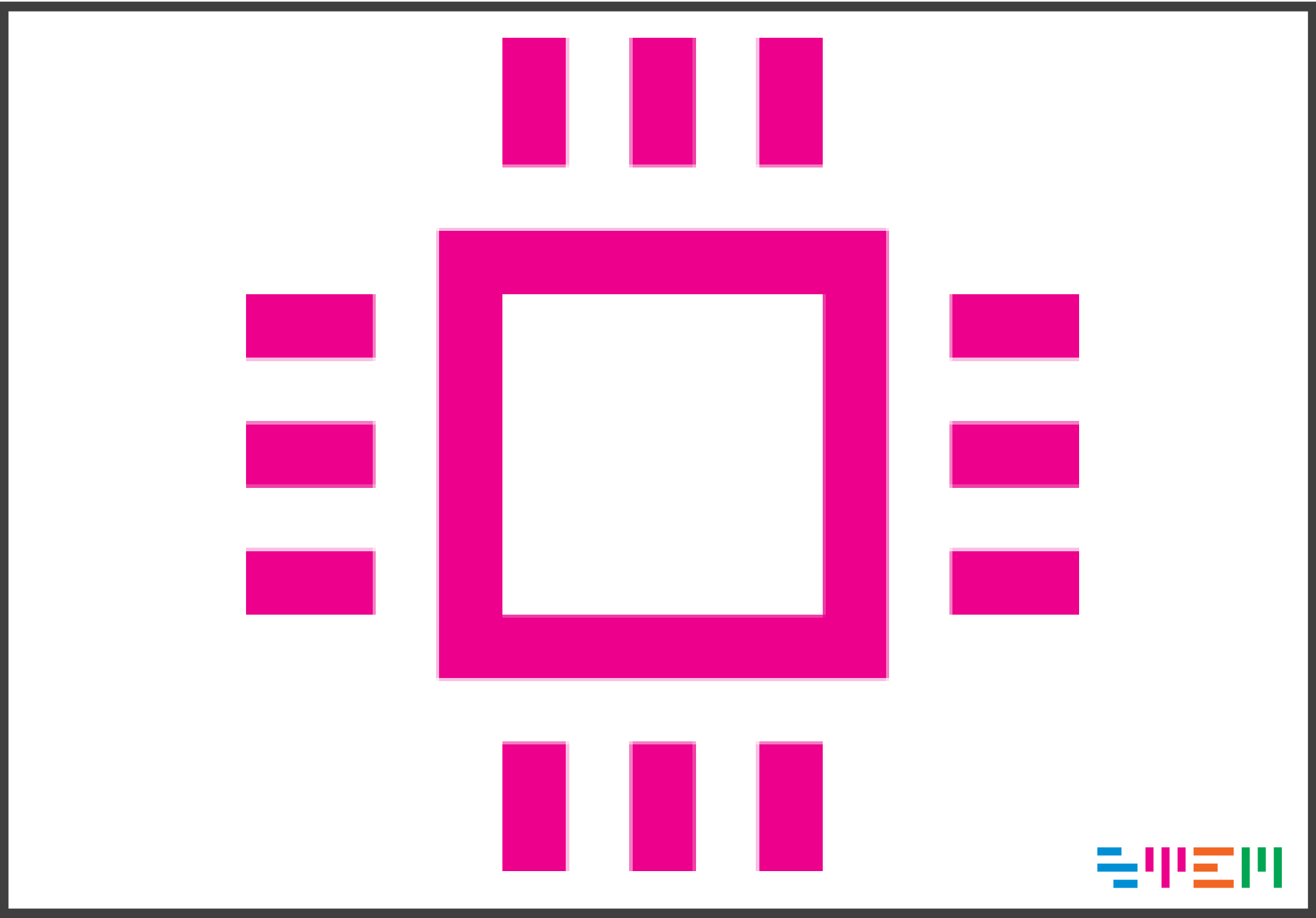


# Astronaut Academy Task 3

Cut and stick on the back of STEM icon cards













# Astronaut Academy

## Task 5

Print double sided with Numicon cards



Mercury



Venus



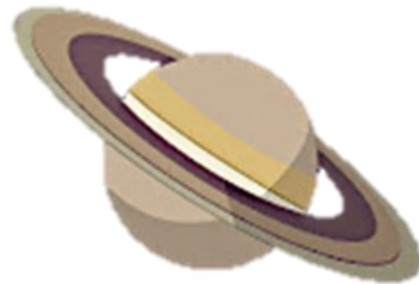
Earth



Mars



Jupiter



Saturn



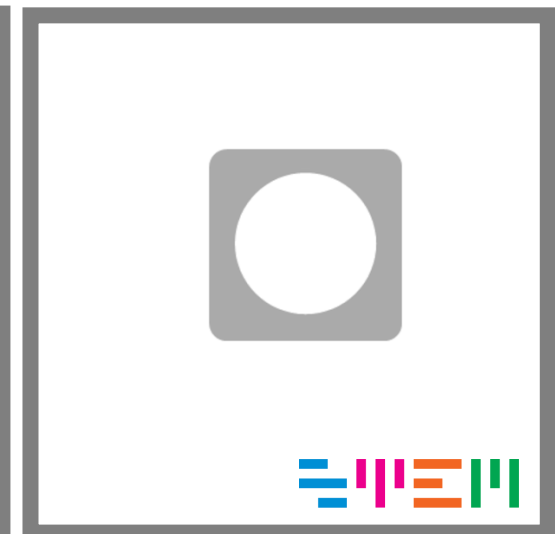
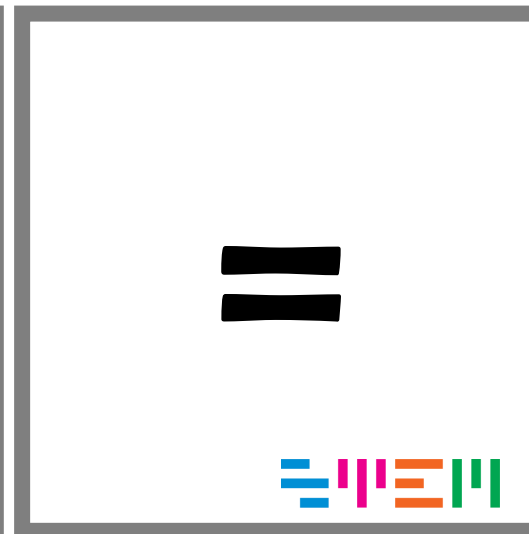
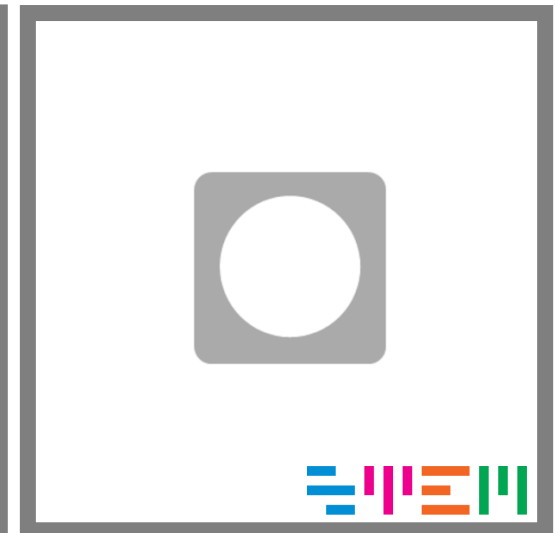
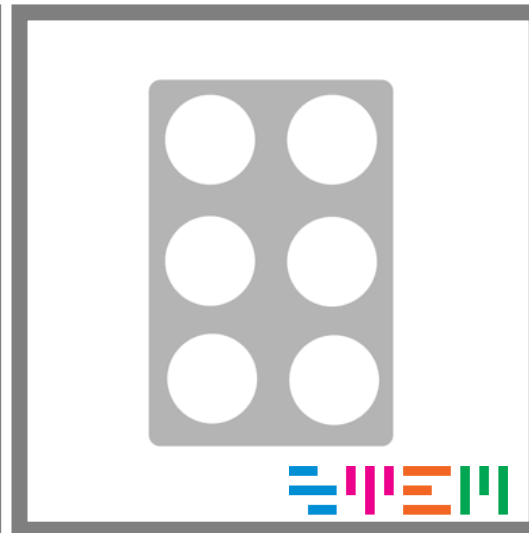
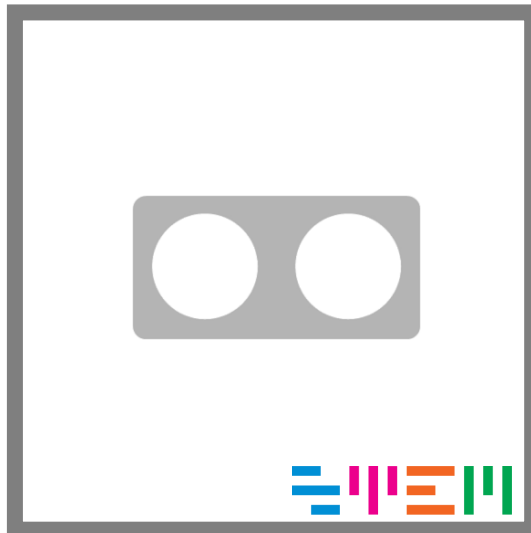
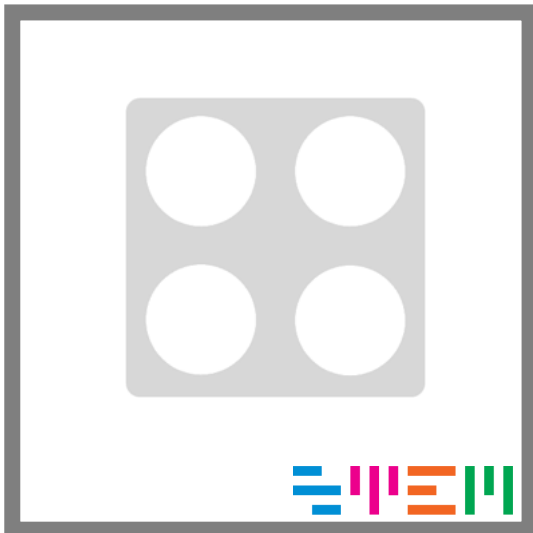
Neptune



Uranus

# Astronaut Academy Task 5

Print double sided with planet cards.



# Travelling Light Part 1 Template

1	2	3	4	5	6	7
---	---	---	---	---	---	---

A	B	C	D	E	F	G
---	---	---	---	---	---	---

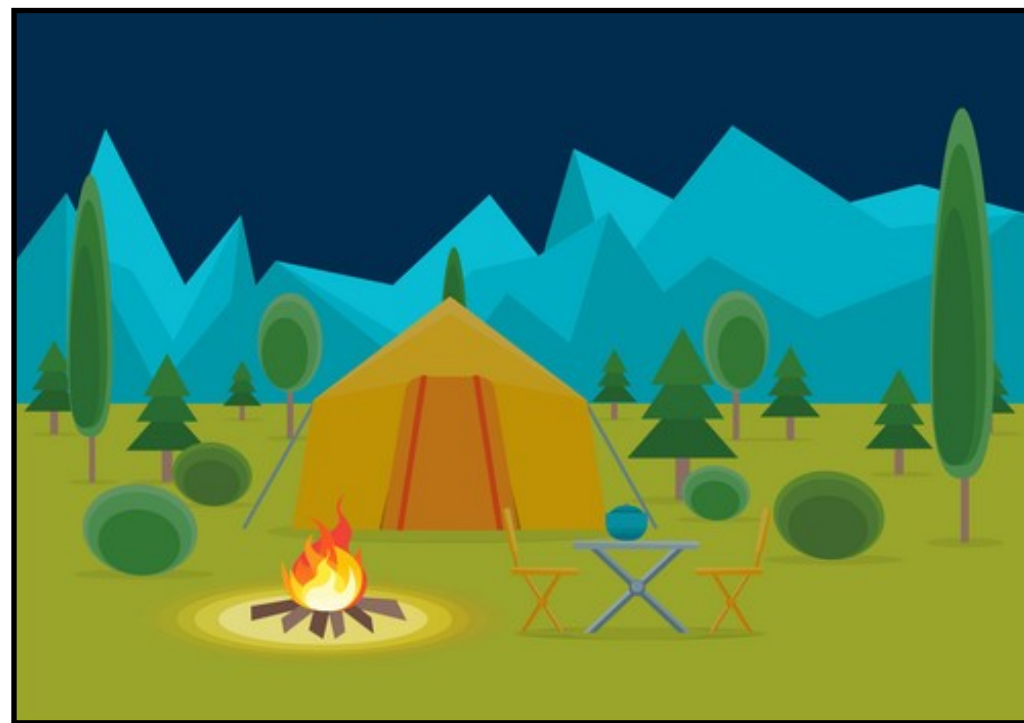
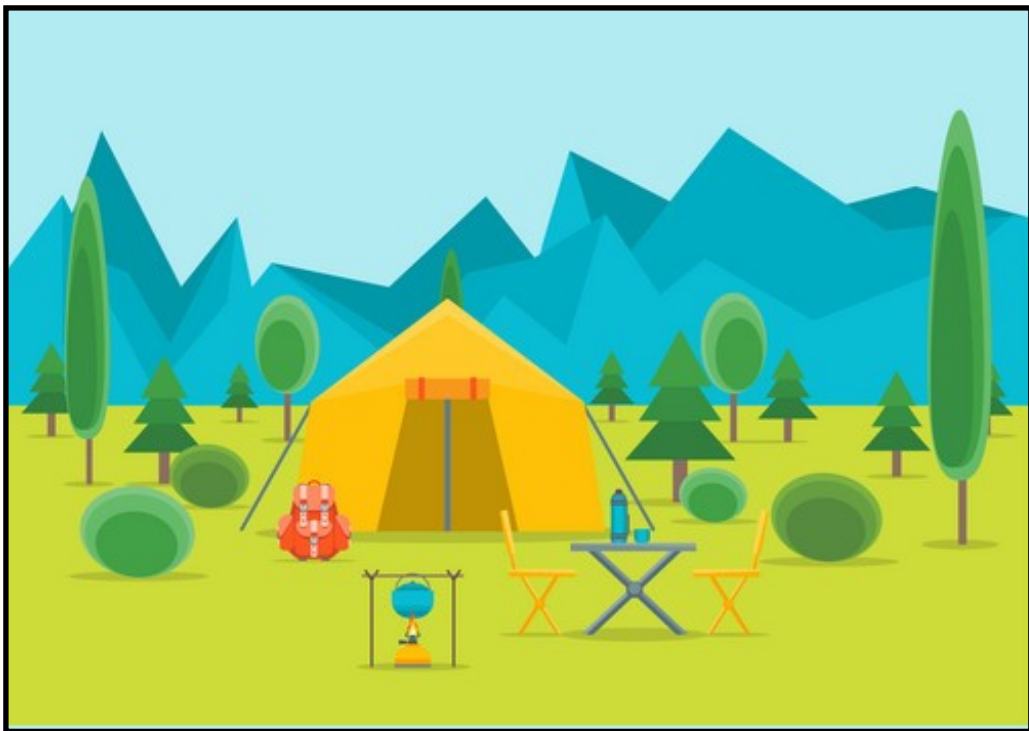
1	2	3	4	5	6	7
---	---	---	---	---	---	---

A	B	C	D	E	F	G
---	---	---	---	---	---	---

# Travelling Light Part 1 Template

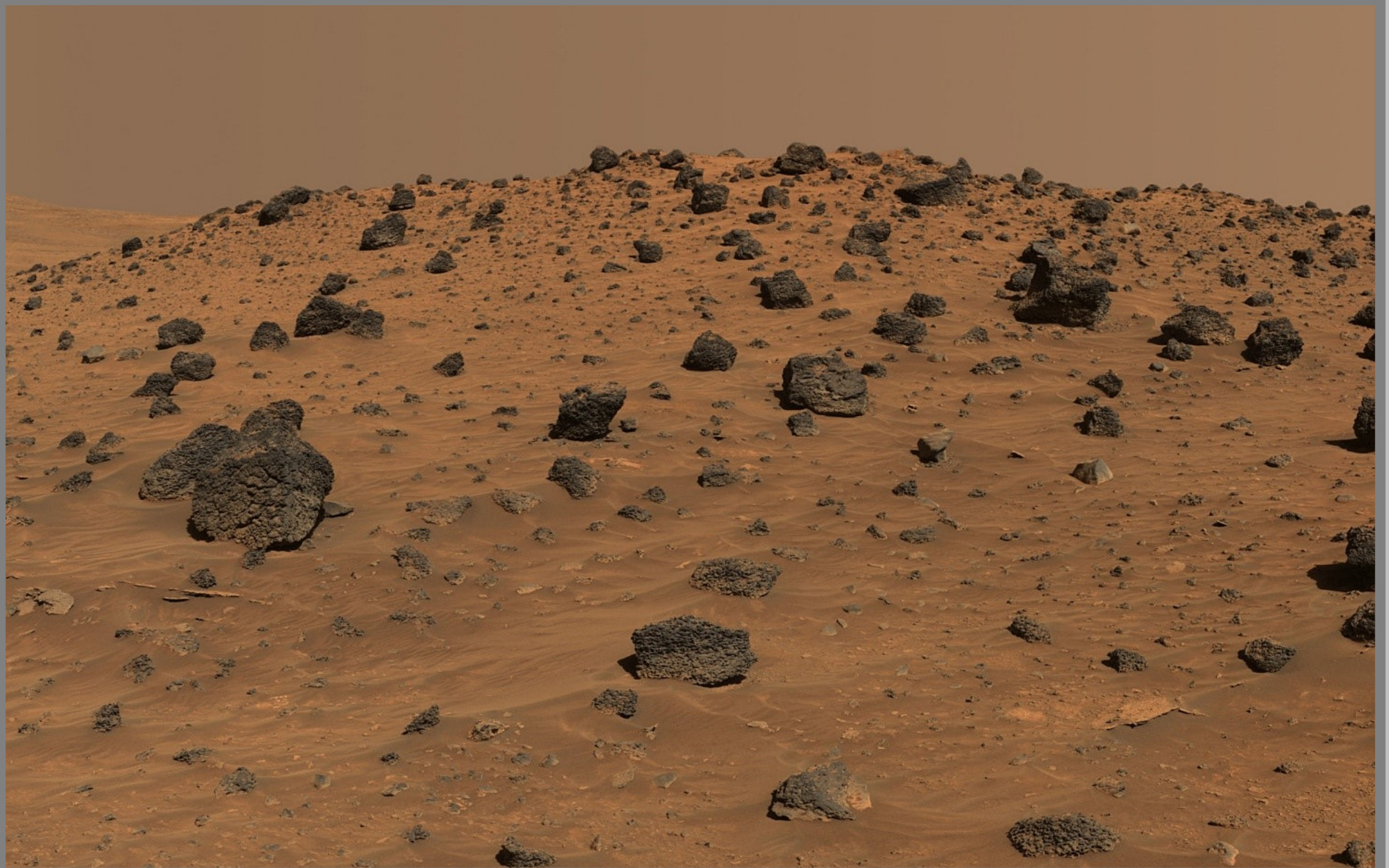
G	7	F	6	E	5	D	4	C	3	B	2	A	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---

G	7	F	6	E	5	D	4	C	3	B	2	A	1
---	---	---	---	---	---	---	---	---	---	---	---	---	---





# Out of This World?



Mars





## Out of This World?



Wadi Rum Desert, Jordan





# Out of This World?



Ash covered slopes, Earth



## Out of This World?



Underwater volcanic eruption, Earth

# Out of This World?



Sandstorm, Mars

# Out of This World?



Sandstorm, Earth



# Out of This World?



Hurricane, Earth

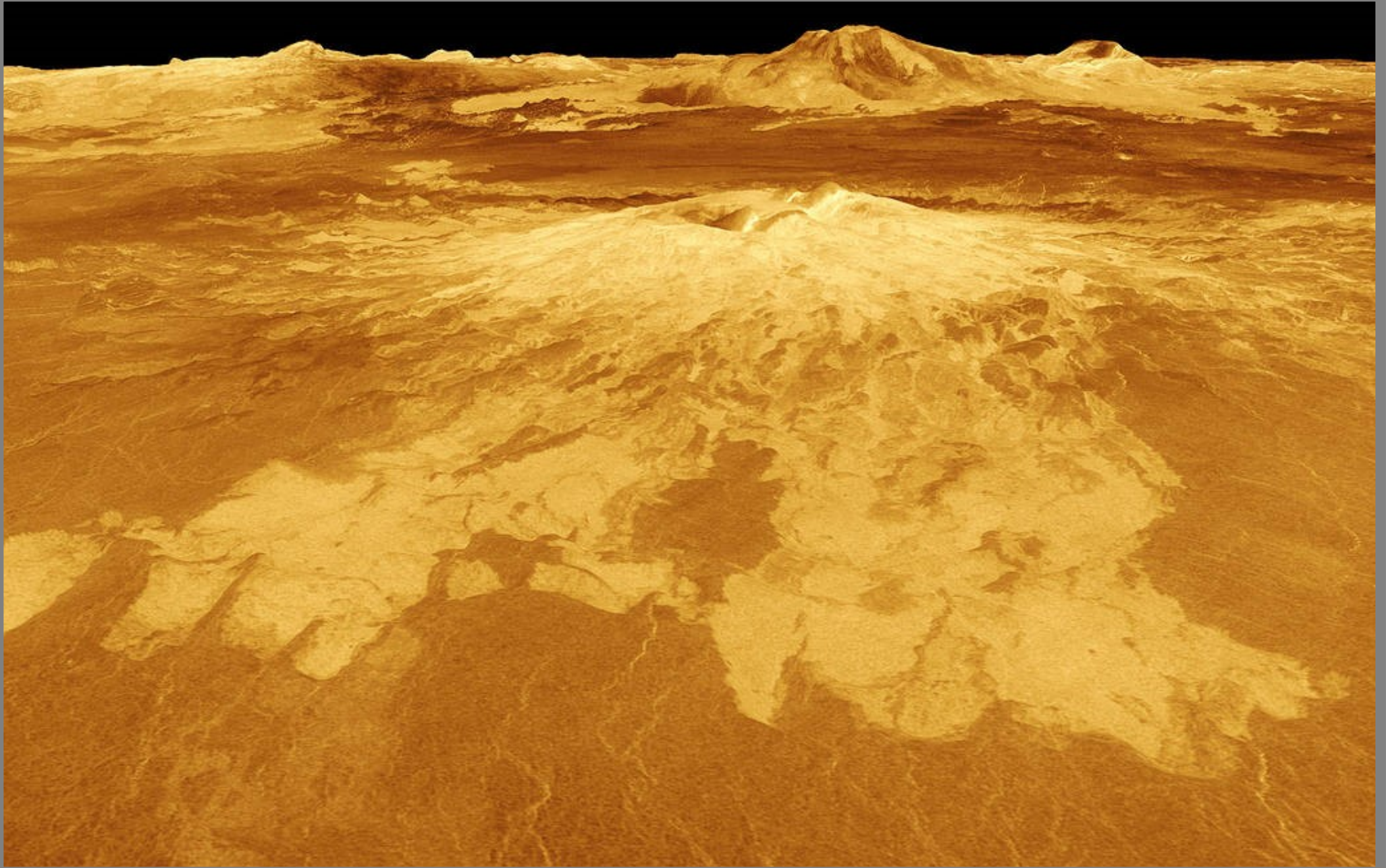


## Out of This World?



Volcano Lightning, Earth

# Out of This World?



Volcano, Venus



# Out of This World?



Aurora Borealis, Earth