



SPACE RESCUERS GAME

Instruction Booklet

Space Rescuers is a board game that allows players to get to know our solar system while learning about the impact of space waste on our universe.

SET IT UP!

Number of players

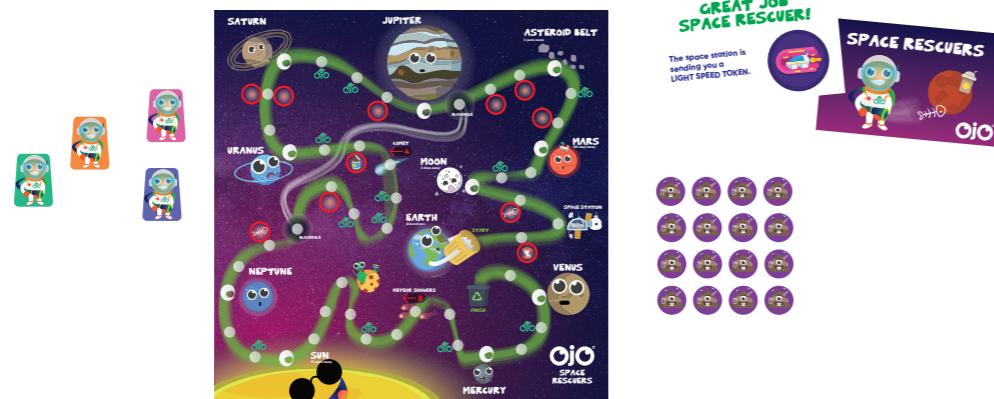
One to four players.

Set it up

1. Open the gameboard and put it in the centre of play.
2. Take everything out and lay it out on the table. Pop out the space waste coins, put together your characters and pop out (and discard) the holes in the recycling bin ready to collect your space waste.
3. Sort all the flash cards and place them correctly next to the board.

Who goes first?

Roll the dice and the player with the highest number goes first. If there is a tie, re-roll the dice. and play follows clockwise from the highest roller.



HOW TO PLAY!

On your turn

1. Move the pawn to its next station by following the number rolled on the dice.
2. There are 2 types of stations on the board.
 - a) Space stations: The player needs to answer the multiple-choice question shown on their card correctly. The Space deck cards relate to general topics about space. If the player answers a question correctly, the player earns a space waste coin to be placed in their recycling bin.
 - b) Planet stations: At every Planet station a player gets to draw a card from the Planets deck. The player needs to answer the multiple-choice question shown on their card correctly. The Planet deck cards relate to actual facts about the planets. If the player answers a question correctly, the player earns a space waste coin for their recycling bin. If not, the player stays still at the station waiting for the next round.

HOW TO WIN!

The game finishes when all players reach the end. The player with the most space waste coins wins the game.



ANSWERS

SPACE CARDS

SPACE IS COMPLETELY SILENT.
There is no atmosphere in space, which means that sound has no way to travel and be heard.

TRUE or FALSE

1

THE SUN IS HUUUUUGE!
How many Earths can we fit inside the sun?

1) 1 MILLION **2) 5**
3) 50

2

Comets are leftovers from the creation of our solar system about 4.5 billion years ago.
They consist of ..

1) ROCKS & LEAVES
2) SAND, ICE & CARBON DIOXIDE
3) WATER & WOOD

3

OH NO!
You wouldn't be able to walk on Jupiter, Saturn, Uranus or Neptune because they have no solid surface!

TRUE or FALSE

4

Scientists estimate there are about

1) 500 THOUSAND
2) 100 THOUSAND
3) 1 MILLION

units of space junk today, including fragments from rockets and satellites.

5

An asteroid about the size of a car enters Earth's atmosphere roughly once a year – but ...

1) IT'S DESTROYED BY NASA
2) IT BURNS UP BEFORE IT REACHES US
3) IT LANDS IN THE OCEAN

6

There are more stars in the universe than grains of sand on all the beaches on Earth. How many stars is that?

1) A BILLION TRILLION
2) 100 THOUSAND
3) 500 THOUSAND

7

The Solar System formed around ...

1) 4.6 BILLION
2) 500 THOUSAND
3) 1 MILLION

8

years ago.

Footprints and tyre tracks left behind by astronauts on the moon will stay there forever as there is no wind to blow them away.

TRUE or FALSE

9

Because of lower gravity, a person who weighs 90 kg on earth would only weigh

1) 35 KG
2) 20 KG
3) 15 KG

on the surface of Mars.

10

The first time anything made by humans touched outer space was in 1957 when ...

1) USA

2) KOREA

3) RUSSIA

launched its first satellite Sputnik.

11

Our Solar System started as a cloud of ..

1) PLANETS

2) SPACE DUST & GAS

3) STARS

12

Earth is not the centre of the world!
Earth is a small planet within our solar system and our solar system is part of a spiral shaped galaxy called ...

1) TWIX

2) MILKY WAY

3) BOUNTY

13

Galaxies are held together with

1) CABLE

2) GLUE

3) GRAVITY

that pulls on each sun, star, planet and moon!

14

It takes

1) 2 SECONDS

2) 1 HOUR

3) 8 MINUTES

for light to reach Earth from the Sun!

15

PLANET CARDS

<p>This planet has only three days every two years and it's the closest to the sun! What is this planet?</p> <p>1) MERCURY 2) PLUTO 3) MARS</p> <p>1</p>
<p>This planet has a lot of clouds that keep it very warm. What is this planet?</p> <p>1) JUPITER 2) MARS 3) VENUS</p> <p>2</p>
<p>This planet is very red because there is a lot of rust. What is this planet?</p> <p>1) MARS 2) MERCURY 3) PLUTO</p> <p>3</p>
<p>This planet is so small that it's considered to be a dwarf planet. What is this planet?</p> <p>1) MARS 2) JUPITER 3) PLUTO</p> <p>4</p>
<p>This planet is a giant. It's made out of thick, hot gas that spins and twists in giant storms! What is this planet?</p> <p>1) MOON 2) JUPITER 3) NEPTUNE</p> <p>5</p>

<p>This planet is a beautiful, blue giant. It has thin rings and it spins sideways. What is this planet?</p> <p>1) URANUS 2) MARS 3) NEPTUNE</p> <p>6</p>
<p>THERE MAY BE LIFE ON THIS PLANET! In 1986, NASA found what they thought may be fossils of microscopic living things in a rock recovered from ...</p> <p>1) JUPITER 2) MARS 3) URANUS</p> <p>7</p>
<p>If you could fly a plane to Pluto, the trip would take more than ...</p> <p>1) 800 YEARS 2) 10 YEARS 3) 50 YEARS</p> <p>8</p>
<p>Jupiter is the largest planet in the solar system, but it spins very quickly on its axis. A day on Jupiter lasts only ...</p> <p>1) 9 HOURS & 55 MINUTES 2) 2 HOURS 3) 5 MINUTES</p> <p>9</p>
<p>The rings that surround Saturn could be the remains of a moon that was destroyed by ...</p> <p>1) SATURN'S GRAVITY 2) SUN'S HEAT 3) A LARGE COMET</p> <p>10</p>

<p>The first time a human touched the Moon was in 1969 when Neil Armstrong walked on the ...</p> <p>1) MOON 2) SPACESHIP 3) LARGEST PLANET EVER</p> <p>11</p>
<p>How many planets are in the solar system?</p> <p>1) TEN 2) NINE 3) EIGHT</p> <p>12</p>
<p>Fierce storms rage on this planet at the edge of our solar system. What is this planet?</p> <p>1) EARTH 2) MARS 3) NEPTUNE</p> <p>13</p>
<p>Keen to stand out from the crowd, this planet rolls like a barrel rather than spinning like Earth. What is this planet?</p> <p>1) VENUS 2) URANUS 3) PLUTO</p> <p>14</p>
<p>The rings of this planet are made up of millions of ice crystals, some as big as houses! What is this planet?</p> <p>1) SATURN 2) URANUS 3) VENUS</p> <p>15</p>