



BLACK HOLE WORMHOLE

This is a quest to find **Planet X**, a world where humanity can set up camp and build a second home among the stars. Not to abandon Earth, but to create another refuge in the unexplored vastness of space. Suit up and launch into the cosmos, traversing black holes and wormholes in search of what could be our future home. On this cosmic quest, reaching Planet X will help you save precious light from vanishing into the endless dark.

How to play

Black Hole Wormhole is a multiplayer dice game that can be played by a minimum of two players (plus a moderator). The goal of the game is to reach the exoplanet, Planet X, first. You will encounter black holes on your space journey that can slow your progress, and wormholes, which exist only in our imagination until now, that can speed up your journey to the exoplanet. Whoever reaches the exoplanet first wins!

Starting the game:

- The players will select their AI companion cube (game pieces).
- A non-player moderator must be assigned to ask the questions that the players will face during the game. In the absence of a moderator, the players can ask each other questions.
- The game will begin from Circle 1 - the launch site - and the players will continue moving ahead toward the final circle in the center, Planet X, by rolling the dice.
- The players will take successive turns to roll the dice and move forward.
- The players will get successive turns to roll the dice to move ahead.
- The players must roll a 1 on their dice to launch themselves into outer space.

Game play:

After launching, the player will roll the dice. The number shown on the dice will determine how many steps the player moves.

For example, if you are on Circle 1 and roll a 4, you will move to Circle 5.

Any player who lands on a **black hole circle** will be in the proximity of a black hole. But fear not, if they can answer a question* correctly, they can continue their space journey unobstructed.

Any player who lands on a **wormhole circle** will get to jump to the next wormhole circle. For example, if you land on Circle 11, you will jump to Circle 28 — the next wormhole.

**The moderator will ask a question in the next turn of the player. To make it easy for the moderator, a questions card is provided. The question can be selected by looking at the circle number and the number on the dice.*

For example, if you encounter a blackhole on circle 7 and the number on your dice is 2 then select the question for circle 7, number 2. If you answer correctly then you will move number-on-the-dice steps ahead, in this case 2, otherwise you will stay on circle 7 until your next turn. So, if you fail to answer the question, you will skip a turn and will resume playing normally from your next turn.

You can visit www.vigyanvyanjan.com for a new set of questions once you have grown beyond this set!

Questions for maneuvering away from the blackholes

Circle	Number on Dice	Question	Correct Answer
7	1	What is the name of our home planet in space?	Earth
	2	What colour does Earth look from space?	Blue
	3	What is the shape of the Earth?	Sphere
	4	What surrounds Earth like a blanket of air?	Atmosphere
	5	What is the blue planet?	Earth
	6	What is the name of the star that gives us light?	Sun
18	1	What is Earth's natural satellite called?	Moon
	2	What is the nearest star to Earth?	Sun
	3	What is the Moon made mostly of?	Rock
	4	What do stars give off that we see?	Light
	5	What is the fastest thing in the universe?	Light
	6	What do we call the Sun and planets together?	Solar system
30	1	Which planet looks red in the sky?	Mars
	2	What is the Sun made of?	Gas
	3	What do planets move around?	Sun
	4	What do moons move around?	Planets
	5	What do we call a person who goes to space?	Astronaut
	6	What vehicle takes us to space?	Rocket
44	1	What tool helps us see faraway stars?	Telescope
	2	What do we call objects orbiting Earth?	Satellites
	3	What is a space lab called?	Space station
	4	What is India's space agency called?	ISRO
	5	Which is the biggest planet in our solar system?	Jupiter
	6	Which planet in our Solar System has the biggest rings around it?	Saturn
53	1	What is the hottest planet?	Venus
	2	What causes day and night on Earth?	Rotation
	3	What do astronauts experience in space?	Microgravity
	4	What is space without air called?	Vacuum
	5	What do we call a group of stars forming shapes/patterns?	Constellation
	6	What is space mostly filled with?	Empty

Circle	Number On Dice	Question	Correct Answer
62	1	What do we call the path of a planet around the Sun?	Orbit
	2	What do we call a path in space?	Orbit
	3	What force pulls things down to Earth?	Gravity
	4	What is a rock floating in space called?	Asteroid
	5	What is a ball of ice and dust in space called?	Comet
	6	What lies between Mars and Jupiter?	Asteroid belt
85	1	What is a shooting star actually called?	Meteor
	2	What galaxy do we live in?	Milky Way
	3	What do we call many stars together?	Galaxy
	4	What is the biggest planet in our solar system?	Jupiter
	5	What is the coldest planet?	Neptune
	6	What do we call space dust?	Dust
93	1	What is a star explosion called?	Supernova
	2	What is a black hole known for having strong what?	Gravity
	3	What do we call the edge of a black hole?	Event horizon
	4	What do we call the center of a black hole?	Singularity
	5	What is the center of a galaxy called?	Core
	6	What is a tunnel in space called?	Wormhole