

Name \_\_\_\_\_



## What Are Stars?

Stars are like faraway suns that fill the universe with their light. You know our Sun, the big, bright ball of fire in our sky during the day? Well, stars are just like that, but they are much, much farther away. They're like little fireflies in the grand cosmic night.

Stars are incredibly hot balls of gas, and they shine because they are burning! But don't worry; they're not burning like a fire on Earth. Instead, they're burning something called hydrogen, which is a kind of gas. This process is called nuclear fusion, and it's what makes stars glow so brilliantly.

Stars come in various colors, sizes, and temperatures. Some are red, some are blue, and some are yellow, just like the crayons in your box. The color of a star depends on how hot it is. The hottest stars are blue, and the coolest stars are red.

Our Sun is a star too, and it's the closest one to us. It's so big and bright that it lights up our whole sky during the day. It provides us with warmth and energy, and it's the reason we have day and night.

Sometimes, stars group together to form patterns in the sky called constellations. People from different cultures have created stories and myths about these star patterns. One famous constellation is Orion, the Hunter, which looks like a person with a belt of three bright stars.

Stars have their own life stories. They are born from clouds of gas and dust, and they grow up, shine brightly for a long time, and eventually, they run out of fuel. When that happens, some stars explode in a big burst of light and become even more dazzling. These are called supernovas.

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### Reading Comprehension Questions

1. What are stars?

- a. Faraway planets
- b. Twinkling fireflies
- c. Burning balls of gas
- d. Frozen chunks of ice

2. How do stars shine?

- a. By burning wood
- b. By using electricity
- c. By burning hydrogen through nuclear fusion
- d. By reflecting sunlight

3. What determines the color of a star?

- a. Its age
- b. The number of planets around it
- c. How far away it is from Earth
- d. Its temperature

4. What is our Sun?

- a. A planet
- b. A moon
- c. A star
- d. A comet

5. What are constellations?

- a. Stories about stars
- b. Star patterns in the sky
- c. Giant telescopes
- d. Spacecraft that study stars