

# Stars

Name: \_\_\_\_\_

A star is an object in space that shines in the night sky. Stars are huge balls of gases out in space. The gases burn and give off light and heat. The sun is the easiest star to find in the sky because it is the closest and brightest. It is the star closest to Earth. Other stars look like tiny points of light. Space is so full of stars that there are too many to count.

The solar system, which is the sun and everything that orbits it, is in the Milky Way galaxy. There are over 300 billion stars in just the Milky Way. There are billions of galaxies and billions of stars in each. Stars form in outer space. Dust and gases come together to make stars. Stars grow larger as they grow older. Most stars live for billions of years. Some stars die by exploding

Stars can be viewed as different colors. Blue stars are the warmest and red stars are the coolest. Yellow, white, and orange can also describe the color of stars. The sun in the center of our solar system is yellow in color.

A group of stars that form shapes form a constellation. Hunters, fish, animals all make constellations in the sky. The Big Dipper is a constellation. It looks like a cup on the end of stick. The stars in the Big Dipper can be connected like a dot-to-dot to make the picture in the sky. People have been making pictures of the sky with stars for thousands of years.

**FILL IT:****STARS**

Name: \_\_\_\_\_

**CIRCLE IT:**

1. What are stars?

2. How many stars are in the Milky Way?

3. What is the name of the star closest to us?

4. What does the Big Dipper look like?

5. What colors can stars be?

6. What is a constellation?

1. Where do stars form?

a. Earth

b. Pluto

c. The Moon

d. Outer space

2. What are stars made of?

a. gases

b. dust

c. heat

d. All of the above

3. How do some stars die?

a. Freezing on Earth

b. Hitting the Moon

c. Exploding

d. Becoming a Comet

4. What do stars give off?

a. Heat and light

b. Gas and rocks

c. Heat and Snow

d. Comets and Light

**DRAW IT:**

Draw a star that is a certain color. Write a sentence telling what type of star it is based on its color.

**WRITE IT:**

What would Earth be like with no sun?

---

---

---

---

---

---

---

---

---

---