

Lesson 2 What is a star?

1. Underline the correct definition.

- 1 A star is...
 - a a large round object that orbits a planet and shines at night.
 - b an object in space made of burning gas.
- 2 The chromosphere is...
 - a the most visible part of the Sun.
 - b the bright red middle layer of the Sun's atmosphere.
- 3 The corona is...
 - a the outer layer of the Sun's atmosphere.
 - b the hottest part of the Sun.
- 4 The photosphere is...
 - a the coolest part of the Sun
 - b the innermost layer of the Sun's atmosphere.
- 5 A sunspot is...
 - a a dark, cooler patch that moves around the photosphere.
 - b an eruption along the magnetic fields in the corona.



2. Match the words with the descriptions.

1 prominence

a collection of stars that forms a pattern in the sky that can be seen from Earth

2 solar flare

an eruption from the photosphere, which travels along the lines of magnetic fields and shoots bursts of plasma into the corona

3 Aurora Borealis

a display of lights seen above the North Pole when charged particles from the Sun enter Earth's atmosphere and collide with other gases

4 constellation

a sudden explosion of energy that releases radiation into space when the lines of magnetic fields close to sunspots cross



3. Circle the correct words to complete the sentences.

- 1 There are 88 _____ that cover the night sky.
a stars b clusters c constellations
- 2 In the past, people used to draw imaginary lines between the stars to give each constellation a _____.
a name b shape c sign
- 3 Twelve of the constellations are used to represent signs of the _____.
a animals b months c zodiac
- 4 These constellations are used to mark the _____ of Earth as it travels around the Sun.
a position b orbit c pattern
- 5 _____ hardly seems to move because it is close to the imaginary line of Earth's axis.
a The Sun b Polaris c The Moon

4. Answer the questions.



- 1 What is a constellation?

- 2 What is special about the shapes of the 12 constellations represented in the zodiac?

- 3 Why is Polaris also known as the North Star?

- 4 How is Polaris an important and useful star?
