What are stars and star constellations?

Science - Space

Miss Hummel

Write down 3 facts about the sun:

1.

2.

3.

Thinking Task:

1. What pulls the clouds of dust and gas together?

Thinking Task:

1. What do we call the process that is happening inside of a star?

Thinking Task:

1. What do we call the star when it uses Helium and grows in size?

Thinking Task:

1. What is left behind of a star like our Sun?

Complete this storyboard to show the stages of the Sun’s life

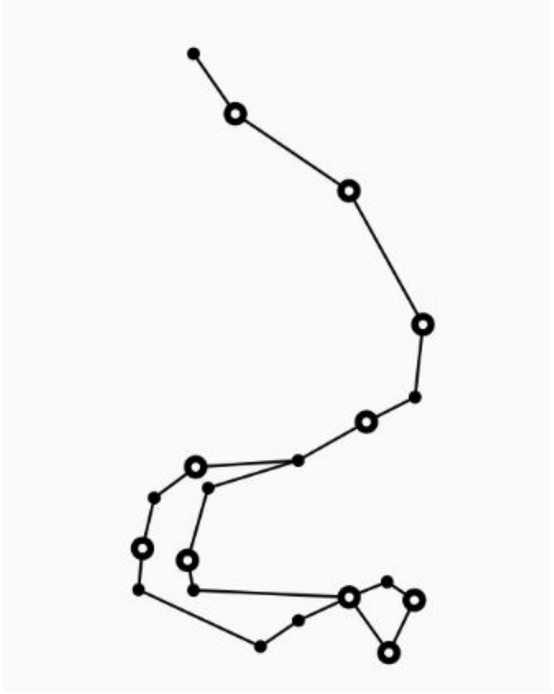
1) Dust and gas gather	2)Gravity pulls the dust and gas into a hot ball	3) It gets so hot that it ignites
4) The sun uses hydrogen as a fuel and shines white light	5) The star gets bigger and becomes a red giant	6) The star collapses and sends out its material to area around it

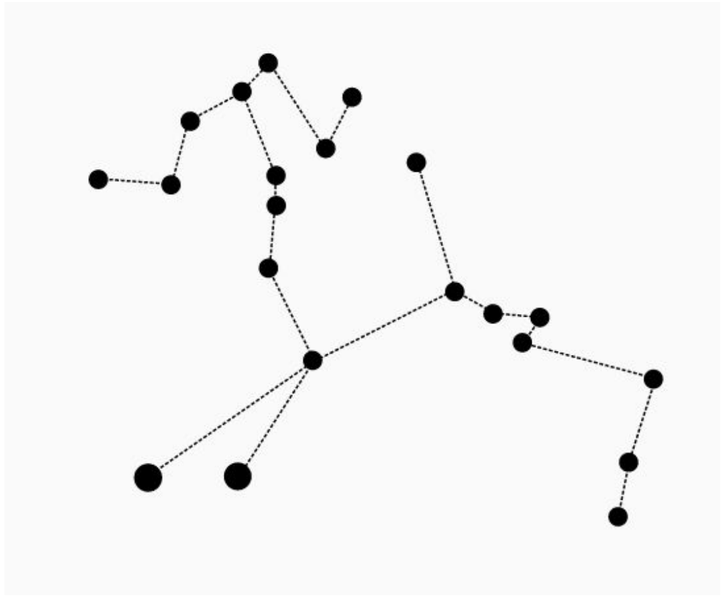
Read the descriptions of the constellations below and work out which constellation is shown in pictures A, B and C:

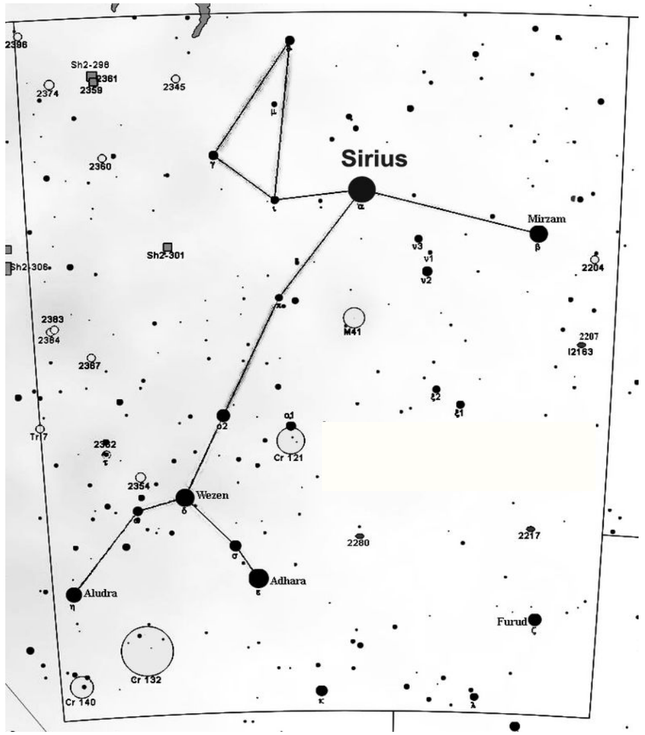
Centaurus – named after a mythical creature that was half horse and half human

Canis major – means ‘big dog’ – said to be a dog following a hunter

Draco – latin for ‘dragon’. This constellation is a little like a snake.







Canis Major charta negative cropped,Roberto Mura, Wikimedia Commons
dragon by Lluisa Iborra from the Noun Project

Answers:

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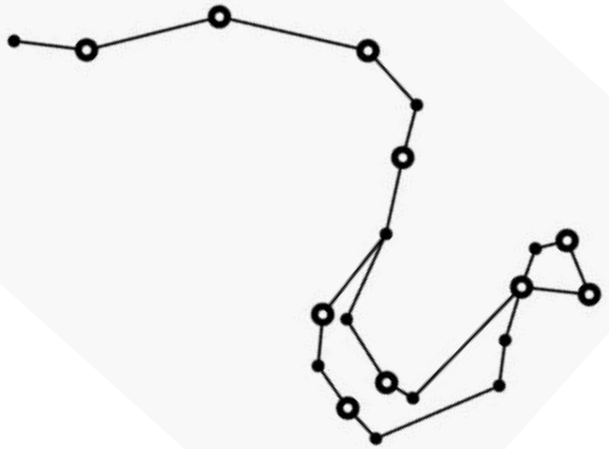
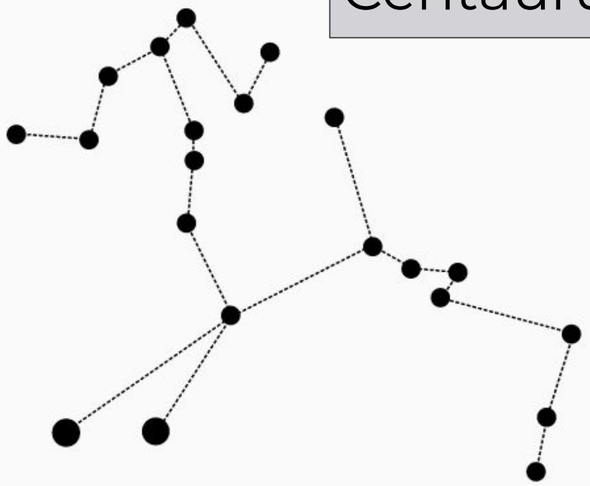
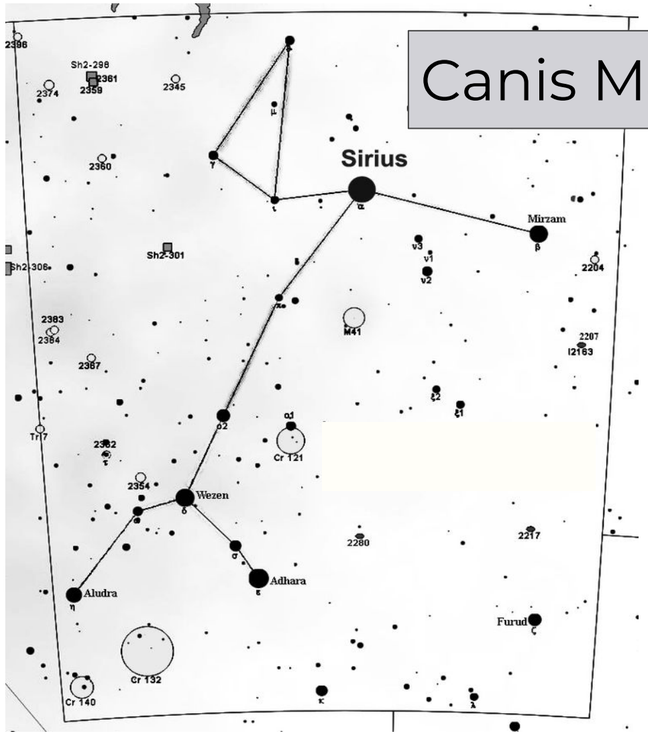
Draco



Centaurus



Canis Major



Canis major charta negative cropped,Roberto Mura, Wikimedia Commons
dragon by Lluisa Iborra from the Noun Project

Read the statements below and decide if they are true or false

- Telescopes helped us see stars in more detail - **true/false**
- Constellations are where animals and humans have gone into space - **true/false**
- Sometimes you need to use your imagination a bit to see constellations - **true/false**
- Stars that are closer to red in colour are hotter than stars that are more blue - **true/false**
- You can only get dwarf stars in one colour - **true/false**

Answers:

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Thinking Task:

Why did humans need telescopes to be able to study stars in more detail?