

Lifecycle of a star: Activities

1. Complete the following sentences with one word.

- Nuclear reactions at the centre of stars provides enough _____ to make them shine brightly.
- The lifetime of a star depends very much on its _____.
- The _____ fuel that powers the nuclear reactions within stars will begin to run out.
- Small stars, like the _____, will undergo a relatively peaceful and beautiful death.

2. Read the sentences and tick T (true) or F (false)

T F

- The sun will become a planetary nebula
- When a star explodes, it is called a "black dwarf"
- Our sun is a massive star
- The larger the star, the more they live
- A pulsar is a rapidly spinning neutron star

3. Match the description with the picture.

The next phase of our sun will be...

Our sun is now a...

If a massive star is extra large and explodes, it can form a...

Cloud of gas and dust where stars are born



Black hole



Planetary nebula



Nebulae



Red giant