

QUIZZ Worksheets**Galaxies and Stars Quiz**

Total questions: 16

Worksheet time: 13mins

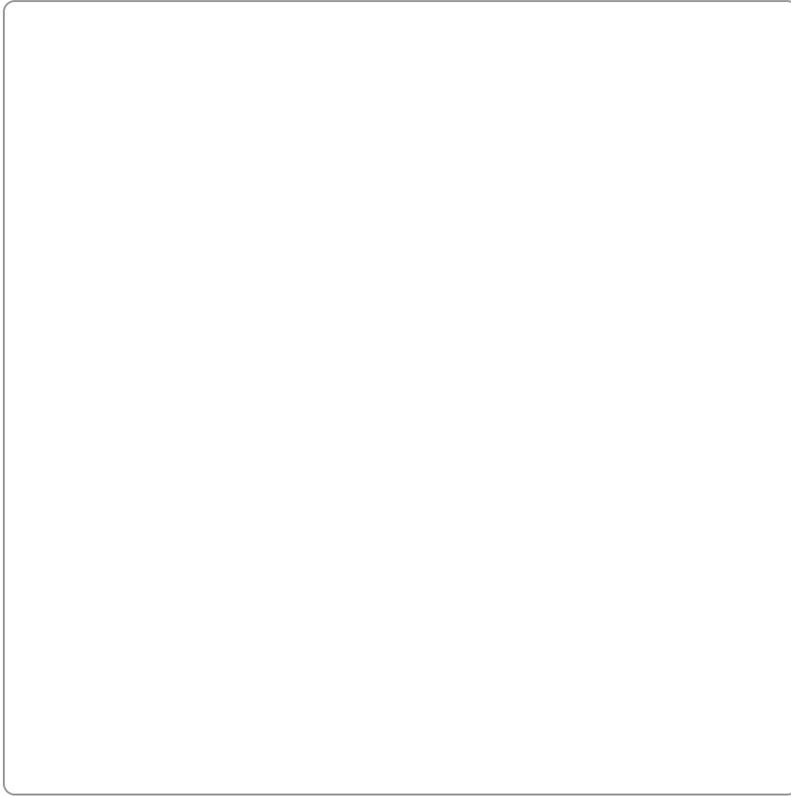
Instructor name: Yanessa Pena-Leiva

Name Class Date

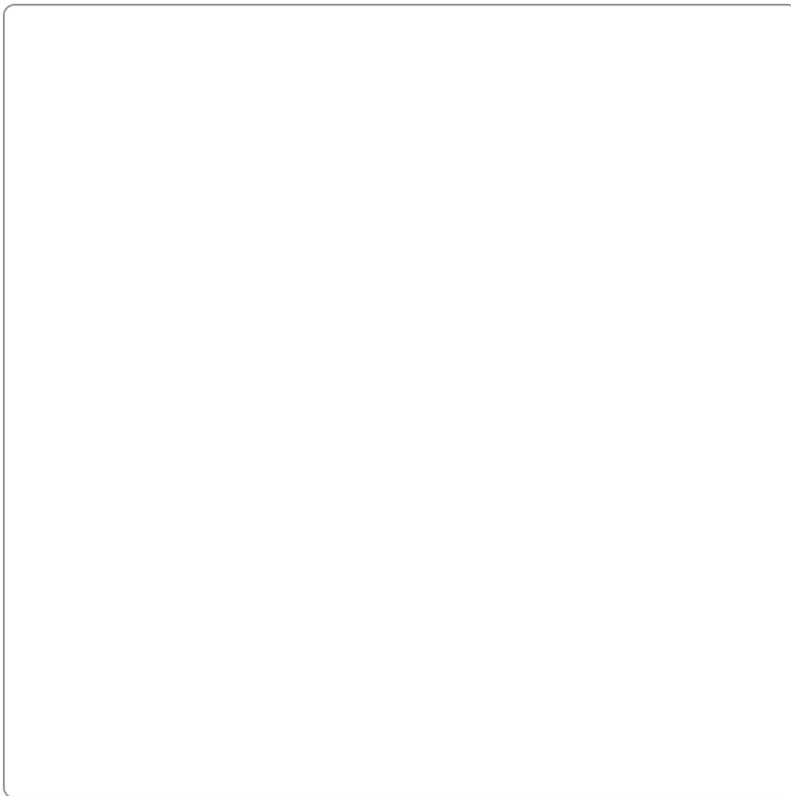
- Hey space explorers! Anika, Lily, and Ava are on a cosmic quest. Can you help them identify which of the following is NOT a main type of galaxy?
 - Cylindrical
 - Elliptical
 - Irregular
 - Spiral
- What is the name of our galaxy?
 - Triangulum
 - Andromeda
 - Milky Way
 - Sombrero
- Which stage comes first in a star's life cycle?
 - Red giant
 - Main sequence
 - White dwarf
 - Nebula
- Ava and Noah are stargazing and wondering, what mysterious force causes a nebula to start collapsing and eventually form a star?
 - Nuclear force
 - Gravity
 - Centrifugal force
 - Electromagnetic force
- During which phase of a star's life does it spend most of its time?
 - Nebula
 - Main sequence
 - Red giant
 - White dwarf

6. Imagine you're a cosmic detective like Sophia or William. What key clue helps you determine the life cycle and fate of a star?
- a) Its age
 - b) Its initial mass
 - c) Its color
 - d) Its location in the galaxy
7. Which color star is the hottest?
- a) Blue
 - b) Red
 - c) White
 - d) Yellow
8. What does a red color indicate about a star?
- a) It is the coolest
 - b) It is the largest
 - c) It is the hottest
 - d) It is the youngest
9. What color category is our Sun classified as?
- a) Red
 - b) White
 - c) Blue
 - d) Yellow
10. During a school science fair, Ethan presented a project about different types of stars. He explained that one type of star is both very large and very cool. Which type of star was Ethan referring to?
- a) Yellow dwarf
 - b) Red giant
 - c) Blue giant
 - d) White dwarf
11. What causes the different colors of stars?
- a) Their age
 - b) Their distance from Earth
 - c) Their temperature
 - d) The gases they're made of
12. What is the primary factor that determines a star's apparent brightness?
- a) Its color
 - b) Its age
 - c) Its size
 - d) Its distance from Earth

13. Draw a Spiral Galaxy.



14. Draw an Irregular Galaxy.



15. What is the term for the explosion of a massive star at the end of its life cycle?
- a) Nova
 - b) Supernova
 - c) Quasar
 - d) Hypernova
16. What is the primary process that powers a star during its main sequence phase?
- a) Nuclear fusion
 - b) Gravitational contraction
 - c) Nuclear fission
 - d) Radioactive decay