
READING ACTIVITIES (Answer key)

3.5. Answer the questions:

- a. Why are any nebulae called "stellar nurseries"?

Some types of nebulae (emission nebulae) are **extinct stars reminders** (planetary nebulae and supernovas remnants). They are **huge clouds of gas and dust that collapse to form new stars**. They are places where stars are born, this is the reason for naming them "stellar nurseries".

- b. Explain which difference exists among absorption, emission and reflexion nebulae.

The main difference is that emission nebulae **emit radiation**, reflection nebulae **reflect it** and absorption nebulae **do not emit or reflect it**. In addition, emission and reflection nebulae are related to **nearby stars**, while absorption nebulae are **far away from stars**.