

A

Period-Luminosity Relationship for RR Lyrae Variable Star

Object Where RR Lyrae Stars Are Located

Light Curve For a Typical RR Lyrae Star

Image Showing End Products For this Type of Variable Star

Question A: Why is this type of variable star an important astronomical tool?

B

Optical Image Of a Red Giant Mira Variable Star

Light Curve of a Mira Variable Star

Illustration of the Two Objects in this System

Image of the Remnant of The Catastrophic End Product

Question B: What general variable star type and event are shown in this sequence?

C

Light Curve of a T Tauri Star

Optical Image Of a T Tauri Variable Star

Image of Area Where T Tauri Stars are Found

Image of This Object When it is a Main Sequence Star

Question C: What is the spectral classification and luminosity of this type of object once it settles down on the main sequence?

D

Image Containing The Core Collapse Of a Massive Star

Light Curve Resulting From This Type of Event

Object That is Producing This Light Curve

Image that Shows The Expansion of This Remnant

Question D: What type of event is shown in this sequence, and what is the final element produced at the collapse?

E

Image of the Area Containing A Cepheid Variable Star

A Light Curve of a Cepheid Variable

A Graph Showing Types of Cepheids

Period-Luminosity Relationship for Cepheid Variable Stars

Question E: What classification of variable star is shown both in this sequence and in sequence A above?