

Jeopardy

Universe 1	Universe 2	Universe 3	Universe 4	Universe 5
<u>Q \$100</u>	<u>Q \$100</u>	<u>Q \$100</u>	<u>Q \$100</u>	<u>Q \$100</u>
<u>Q \$200</u>	<u>Q \$200</u>	<u>Q \$200</u>	<u>Q \$200</u>	<u>Q \$200</u>
<u>Q \$300</u>	<u>Q \$300</u>	<u>Q \$300</u>	<u>Q \$300</u>	<u>Q \$300</u>
<u>Q \$400</u>	<u>Q \$400</u>	<u>Q \$400</u>	<u>Q \$400</u>	<u>Q \$400</u>
<u>Q \$500</u>	<u>Q \$500</u>	<u>Q \$500</u>	<u>Q \$500</u>	<u>Q \$500</u>

Final Jeopardy

\$100 Answer from
Light Year & Speed

Light Year



\$200 Question from
Light Year and speed

What is the
speed of
light?



\$200 Answer from
Light Year and speed

300,000 km per second

or

186,000 miles per second



\$300 Question from
Light Year and speed

Is light year a
unit of distance
or a unit of time?



\$300 Answer from
the speed of light

- distance

\$400 Question from
Light Year and speed

Define Light
Year?



\$400 Answer from
Light Year and speed

Distance that
light travels in
one year



\$500 Question from
Light Year and speed

A measure of the
amount of a star's
light received on
Earth is _____?



\$500 Answer from
Universe

Absolute
magnitude



\$100 Question from Universe

Stars are made
up of hot, dense
gas.

True or False?



\$100 Answer from Universe

TRUE



\$200 Question from Universe

What galaxy
our Earth
located at?



\$200 Answer from Universe

The Milky Way



\$300 Question from Universe

Stars with more mass
will last longer than
stars with less mass.
True or False



\$300 Answer from Universe

False



\$400 Question from Universe

The chemical composition of a star can be determined using a _____



\$400 Answer from Universe

Spectrograph

or

spectroscope



\$500 Question from Universe

A star that has
no fuel but glows
faintly is

a



\$500 Answer from Universe

Black
dwarf



\$100 Question from
Universe

The brightness of a
star as seen from
Earth is its
apparent magnitude.

True or False?



\$100 Answer from
Universe

True



\$200 Question from
Universe

The Hubble Space
Telescope is located



\$200 Answer from
Universe

Above the
Earth's
atmosphere



\$300 Question from
Universe

A star is born when

starts



\$300 Answer from
Universe

Nuclear Fusion



\$400 Question from
Universe

What does the
Sun fuse
hydrogen into?



\$400 Answer from
Universe

Helium



\$500 Question from
Universe

90% of the stars
spend their life time
as _____
stars.



\$500 Answer from
Universe

Main Sequence



\$100 Question from Universe

What color
are the
hottest stars?



\$100 Answer from Universe

Blue



\$200 Question from Universe

The most common
chemical element
in a star is....



\$200 Answer from Universe

Hydrogen



\$300 Question from Universe

The lifetime of
a star depends
on its



\$300 Answer from Universe

Mass



\$400 Question from Universe

A supernova is
the explosion of
a dying



\$400 Answer from Universe

Supergiant



\$500 Question from Universe

What star is
about 20 Km
in size?



\$500 Answer from Universe

Neutron Star



\$100 Question from
Universe

The nearest star
(except the Sun) to
our solar system
is Proxima Centauri.

True or False



\$100 Answer from
Universe

True



\$200 Question from
Universe

Name 4 types
of galaxies



\$200 Answer from
Universe

Spiral, Barred,
Elliptical &
irregular



\$300 Question from
Universe

What is the atomic
number?

11

Na

23



\$300 Answer from
Universe

11



\$400 Question from
Universe

The brightness of
a star depends on
its _____,



\$400 Answer from
Universe

Distance,
Temperature,
Size, and Color



\$500 Question from
Universe

How can Betelgeuse
look so bright if it
is far away and has
a cool surface?



\$500 Answer from
Universe

It must be
very large!



Final Jeopardy

What is the correct equation to calculate the time it takes for light to travel a certain distance?



Final Jeopardy Answer

$$\text{Time} = \frac{\text{Distance}}{\text{Speed of light}}$$

