

Name _____

Date _____

Rate a Lunar Eclipse!

The Danjon Scale of Lunar Eclipse Brightness illustrates the range of colors and brightness the Moon can take on during a total lunar eclipse.

Your job is to rate the different parts of a lunar eclipse using The Danjon Scale. You can do this using your naked eye, a small telescope or binoculars. Make sure to observe the Moon

Just after totality begins, the moment when the Moon is completely in Earth's shadow, and when totality is just ending.

The Danjon Scale

- ★ **L = 0** Very dark eclipse (Moon is almost invisible)
- ★ **L = 1** Dark eclipse, gray or brownish in coloration (The Moon cannot really be seen, but you have to focus on it to see it)
- ★ **L = 2** Deep red or rust-colored eclipse (This is very dark red)
- ★ **L = 3** Brick-red eclipse (The Moon is a darker red color, but not as dark as L = 2)
- ★ **L = 4** Very bright copper-red or orange eclipse (The Moon turns a very bright orange)



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Rate a Lunar Eclipse!

Now, rate the different parts of a lunar eclipse (totality begins, when the Moon is completely in the Earth's shadow, and when totality ends) using the Danjon Scale on the previous page.

Try taking pictures of the stages of the lunar eclipse to show evidence in your findings. Print those pictures out and glue them on the next page.

Just after totality begins:

Time: ____:____

What instrument are you viewing the Moon with?
Shade in the circle next to the object.

- Naked Eye
- Binoculars
- Telescope

Rating: L = ____

The Moon is completely in Earth's shadow:

Time: ____:____

What instrument are you viewing the Moon with?
Shade in the circle next to the object.

- Naked Eye
- Binoculars
- Telescope

Rating: L = ____



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Just before totality ends:

Time: ____:____

What instrument are you viewing the Moon with?
Shade in the circle next to the object.

- Naked Eye
- Binoculars
- Telescope

Rating: L = ____

Picture Time!

Glue your pictures of the Moon at different stages in the boxes below!

**Just after
totality begins:**

Glue picture here!

**Moon is
completely in
Earth's shadow:**

Glue picture here!

**Just before
totality ends:**

Glue picture here!



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