



Pre-Workshop Thought Questions

1. List several ways you think Galileo's model of the universe was similar to that of modern astronomers; and several ways it was different:

Galileo's universe compared to today's model of the universe	
Similarities	Differences

For each of the following questions, do these 4 things: 1) circle the letter of the single best answer from the five choices for each question. 2) Then mark an X through the letter of the choice that you think is the **incorrect** answer **selected most often** by students. 3) On the blank line to the right of the question number, write the percentage of students who took this test that you think selected the correct answer. 4) Finally, write the letter of the answer you think Galileo might have given 400 years ago!

2. _____% Which of the following best describes the order of size, from smaller to larger, of the four objects:
- Earth, Moon, Sun, Jupiter
 - Moon, Earth, Sun, Jupiter
 - Moon, Earth, Jupiter, Sun
 - Sun, Moon, Earth, Jupiter
 - They are all the same size
- Galileo's Response: _____

3. _____% Which answer shows the most accurate pattern of the three objects in order from closest object to the Earth to farthest from the Earth?
- Sun → Saturn → Moon
 - Saturn → Moon → Sun
 - Moon → Sun → Saturn
 - Moon → Saturn → Sun
 - Sun → Moon → Saturn
- Galileo's Response: _____

4. _____% Which answer shows the most accurate pattern of the three objects in order from closest object to the Earth to farthest from the Earth?
- Space Shuttle in orbit → Stars → Pluto
 - Pluto → Space Shuttle in orbit → Stars
 - Stars → Space Shuttle in orbit → Pluto
 - Stars → Pluto → Space Shuttle in orbit
 - Space Shuttle in orbit → Pluto → Stars
- Galileo's Response: _____

5. _____% Astronomers use large telescopes so they can:
- see fainter objects.
 - see distant objects.
 - see more objects.
 - All of the above.
 - None of the above.
- Galileo's Response: _____



6. _____% NASA puts telescopes in space:

- a. to get closer to the stars and galaxies.
- b. because it is colder in space.
- c. to get above the atmosphere.
- d. because there is no gravity in space.
- e. None of the above.

Galileo's Response: _____

7. _____% Which answer shows a pattern in the order from having the fewest stars to having the most stars?

- a. galaxy → universe → solar system
- b. galaxy → solar system → universe
- c. solar system → universe → galaxy
- d. solar system → galaxy → universe
- e. universe → solar system → galaxy

Galileo's Response: _____

8. _____% A photon of which color light carries the most energy?

- a. Red light
- b. Yellow light
- c. Green light
- d. Blue light
- e. All photons have the same energy.

Galileo's Response: _____

9. _____% Astronomers believe they can tell the composition of distant stars by:

- a. assuming the stars have the same composition as the Earth.
- b. assuming the stars have the same composition as the Sun.
- c. analyzing the light from the stars.
- d. testing material from the stars in their laboratories.
- e. Astronomers have no way of knowing the composition of distant stars.

Galileo's Response: _____

10. _____% A photon of which kind of radiation carries the most energy?

- a. Radio
- b. Infrared
- c. Visible
- d. Ultraviolet
- e. All photons have the same energy.

Galileo's Response: _____

11. Place an "X" somewhere along the scale to indicate how you feel about the following opposite statements:

I feel able to find information
about IYA resources and
opportunities from NASA

I don't feel able to find information
about IYA resources and
opportunities from NASA

I feel confident planning IYA
activities for my students/audiences

I don't feel confident planning IYA
activities for my students/audiences

I know how to help my
audiences/students learn about
Earth's place in the universe

I don't know how to help my
audiences/students learn about
Earth's place in the universe

First 3 letters of your middle name plus your birthday (MMDD): *example SAR1231 (sarah, December 31st)* _____