

### **BAAO Junior Astro Challenge – Sample Questions**

1. Who first proposed a Heliocentric system for the Sun and planets?
  - a) Aristarcus
  - b) Copernicus
  - c) Galileo
  - d) Ptolemy
  
2. Which of the following planets has the hottest average temperature?
  - a) Earth
  - b) Mars
  - c) Mercury
  - d) Venus
  
3. Springs tides tend to occur just after
  - a) Crescent Moon
  - b) First Quarter Moon
  - c) New Moon
  - d) Last Quarter Moon
  
4. We can only ever see roughly 50% of the Moon from Earth because
  - a) The Moon doesn't rotate
  - b) The Moon's other side is dark
  - c) The Moon rotates in the opposite direction to its orbit of the Earth
  - d) The Moon rotates at the same rate as it orbits the Earth
  
5. In the evening your shadow is
  - a) Longest and points East
  - b) Longest and points West
  - c) Shortest and points East
  - d) Shortest and points West
  
6. Which planet has a huge dark blue spot (in fact a violent storm)
  - a) Jupiter
  - b) Neptune
  - c) Saturn
  - d) Uranus
  
7. Approximately how many planets do we know exist
  - a) 8
  - b) 9
  - c) 2000
  - d) 4000
  
8. Which is the only galaxy beyond the Milky Way to be visible by unaided eye
  - a) Andromeda galaxy
  - b) Cigar galaxy
  - c) Pin-wheel galaxy
  - d) Sombrero galaxy

9. On an Autumn night, which constellation is furthest East
- a) Cygnus
  - b) Libra
  - c) Scorpio
  - d) Taurus
10. Of the following, who has not walked on the Moon
- a) Gene Cernan
  - b) Pete Conrad
  - c) Jim Lovell
  - d) Edgar Mitchell

- 1. A
- 2. D
- 3. A
- 4. D
- 5. A
- 6. B
- 7. D
- 8. A
- 9. D
- 10. C