IMAX: Cosmic Voyage

1. In the everyday world we use a simple scale, ____________, to know what’s small and what’s ____________.
2. How did ancient philosophers think nature could be understood?

3. Most people assumed the earth was the ____________ of an ____________ universe.
4. In 1609, ____________ demonstrated the telescope and discovered the ____________ had mountains, Jupiter had ____________, and the Milky Way was a band of ____________.

5. Where will you find yourself at each distance from Venice?

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<th>4 Steps =</th>
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6. After 15 steps the voyage is measured in ____________.
7. Where is our nearest star?
8. At 23 steps each light is a not a star, but a ____________.
9. 15 billion light years = ____________ of the visible universe.
10. Anton van Leeuwenhoek perfected the ____________, through which he discovered a living kingdom in a single drop of ____________.
11. The Fermi lab ____________ accelerator is designed to mimic conditions of the ____________ of the universe.
12. Space itself ____________ in a burst and blazing energy and the universe began to ____________.
13. For ____________ of millions of years gravity slowly threw ____________ together.
14. After 2 billion years clouds condensed to form ____________.
15. Around ____________, years pass before we encounter the Milky Way.
16. Around a new star, ____________, planets begin to form.
17. The basic ingredients for life, ____________, carbon, and ____________ were present on Earth early on.
18. Colonies of ____________ algae produced oxygen which opened the door for other organisms to evolve in the ____________.
19. On land, ____________ were first, followed by algae, ____________, and animals.
20. Our cosmic voyage from the big bang to the appearance of humans took about ____________.
21. For the first time in our history we now have strong evidence that there are ____________ orbiting other ____________.
22. The deeper astronomers look into ____________, the farther back they see in ____________.
23. Neil Armstrong said, “Man must understand his universe in order to understand his destiny,” - what do you think he meant by that?