



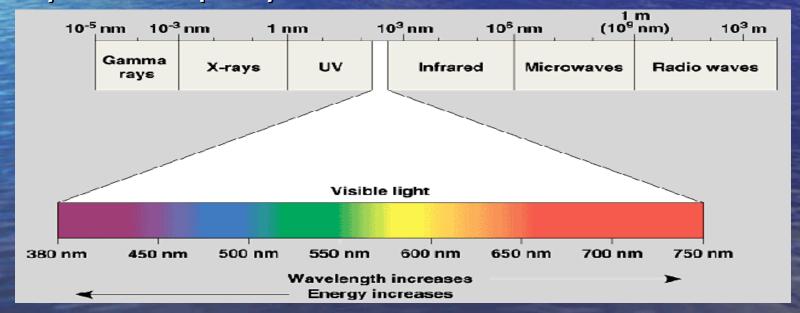
- What are Colors?
- What is White?
 - 1. When There is no Colored Light
 - 2. When there is no Light at All
 - 3. When all of the Visible Light mixes
- What is Black?
 - 1. When all of the Light mixes together
 - 2. When there is no Light
 - 3. When there is only Black Light
- Are there more?



Visible Light

- What we can see
- Light mixes to make new colors
- White Light contains every color equally





Infrared 94.7 69.6 °F Beyond Red How do we know its there?

Microwave





Radio

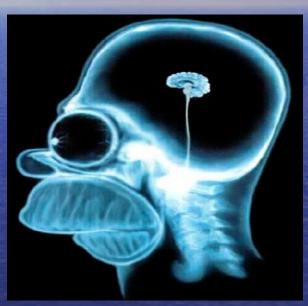








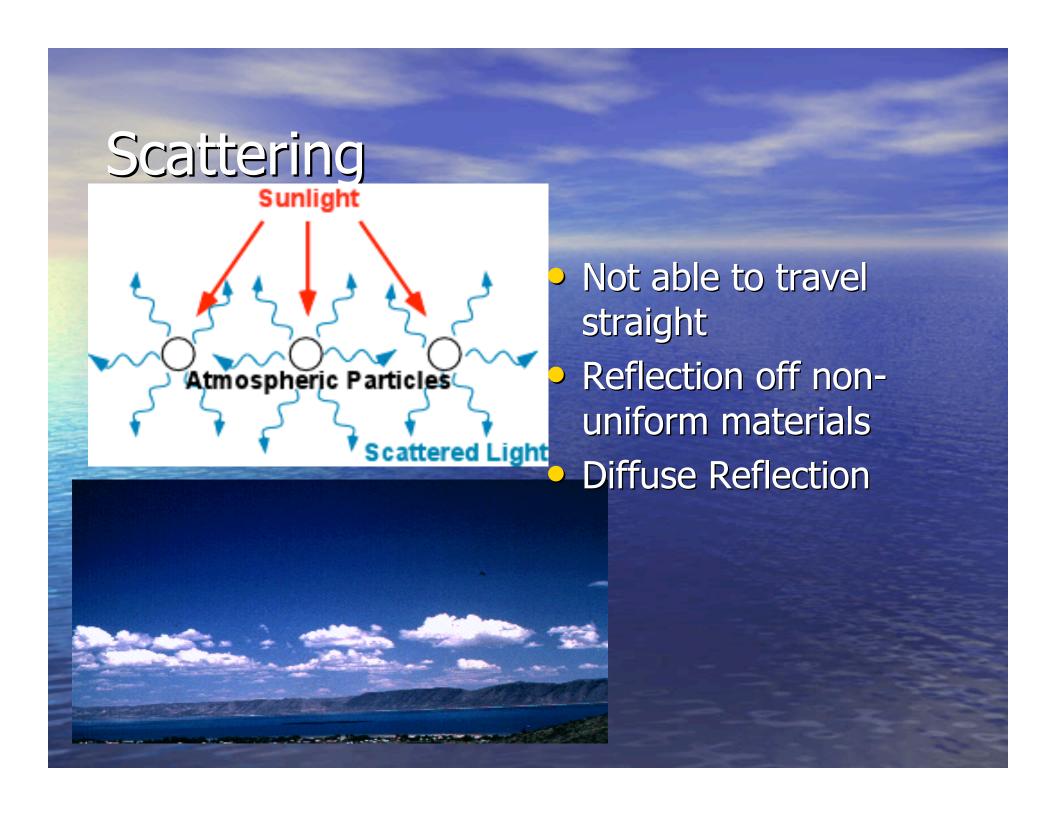








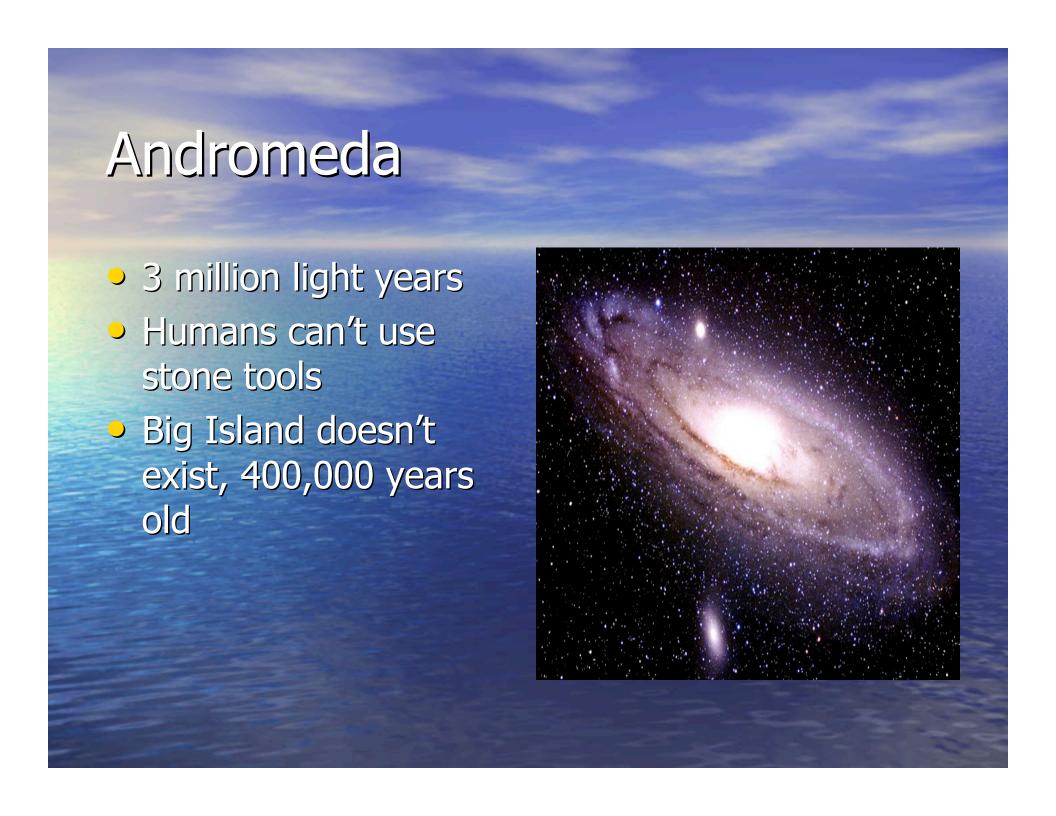












Farthest Reaches that We can See



- 13 Billion light years
- Earth 4.5 billion years old