

How and why does your shadow change during the day?

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What can be learned by studying the length and direction of shadows?

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What causes day and night?

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How can you explain why we see some natural objects only in the night sky, some only in the day sky, and some at both times?

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How would you describe the size of and distance between Earth, the Moon, and the Sun?

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How does the shape of the Moon change over 4 weeks?

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How do the parts of the solar system interact?

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Why do stars appear to move across the night sky?

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What is air?

What is air?

What is Earth's atmosphere?

What is Earth's atmosphere?

How do meteorologists measure and record weather variables?

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What happens to earth materials when they are exposed to sunlight?

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How does energy transfer to the air?

How does energy transfer to the air?

What happens when a volume of fluid is warmed at the bottom?

What happens when a volume of fluid is warmed at the bottom?

What is the best design for a solar water heater?

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