



ENERGY QUESTIONS FOR DISCUSSION

Discuss the following in small groups or in pairs. Be prepared to share your findings and opinions with other groups.

Questions about Solar Energy

- What is solar energy, and how do solar panels work to produce electricity?

Can you list three benefits of using solar energy?

What are two downsides of relying on solar energy?

How might solar energy be used effectively in our Minecraft world? Consider the availability of sunlight in different areas.

Questions about Hydropower

- What is hydropower, and how can we generate electricity using water in Minecraft?

What are three advantages of using hydropower as an energy source?

Identify two challenges or limitations of hydropower. How might these affect its use in our Minecraft world?

Where in our Minecraft world would it be most effective to set up hydropower stations? Why?

General Questions on Energy Choices

- What makes an energy source renewable or non-renewable? Give one example of each.

Why is it important to consider using renewable energy sources?

When choosing an energy source for our Minecraft world, what are three factors we should consider?

Which energy source do you think is the most ecological for our Minecraft world: solar energy or hydropower? Explain your reasoning.

Before deciding on an energy source, what kind of background research should we do? Can you name two types of information we need?



Critical Thinking and Research

- Investigate how the climate and geography of an area affect the choice between solar energy and hydropower. Apply what you find to our Minecraft world.

Explore and discuss any new developments in solar and hydropower technologies. How could these advancements be incorporated into our Minecraft world? Which other sources of energy would be worth looking into in addition to solar energy and hydropower? Why?