



**TOPICS FOR THE SCIENCE EXAM  
THIRD TERM RE - EXAMINATION**

**Class:** 7<sup>th</sup> Grade

**Date:** February, 2026

**BOOK: *Phenomenal Science Level 6***

*Student Book.*

**1. What are renewable resources?**

Resources that are inexhaustible or can be refilled.

**2. What technology captures solar energy?**

Solar panels.

**3. How is electricity produced from wind?**

Using wind turbines and generators.

**4. Where does geothermal energy come from?**

Heat beneath Earth's crust.

**5. What part is common to hydro, wind, and ocean energy?**

Turbines and generators.

**6. What is biomass?**

Organic materials like plants and animal waste.

**7. What are the two types of biomass fuels?**

Biofuel and biogas.

**8. What gas is produced from waste in landfills?**

Biogas.

**9. What is the main disadvantage of burning biomass?**

It releases CO<sub>2</sub>.

**10. Why is biomass carbon-neutral?**

Plants absorb CO<sub>2</sub> during photosynthesis.

**11. Why are they called nonrenewable?**

They cannot be replaced and will run out.

**12. What are the main nonrenewable sources?**

Fossil fuels and uranium.

**13. Why are these resources widely used?**

They are less expensive to extract.

**14. What is a negative effect of fossil fuels?**

They cause land, air, and water pollution.

**15. What is the risk of using uranium?**

It produces dangerous radioactive waste.

**16. How are fossil fuels formed?**

From dead organisms under extreme heat and pressure.

**17. What is carbonization?**

The process that turns plants into coal.

**18. What is crude oil?**

A thick liquid formed from sea organisms.

**19. Which is the cleanest fossil fuel?**

Natural gas.

**20. What is fracking?**

The process used to extract shale gas.

**21. Which element is used in nuclear power plants?**

Uranium.

**22. When is an atom neutral?**

When it has equal protons and electrons.

**23. What is nuclear fusion?**

When two nuclei join together.

**24. What is nuclear fission?**

When a large atom is split.

**25. Does nuclear power release air pollutants?**

No, because it doesn't burn fuel.

***“Believe you can and you're halfway there.”***  
**GOOD LUCK!**

***Lcdo. Cristopher Bailon Pinargote***  
**Science Teacher**