



## **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  $CO_2$ .
- 10. Why is biomass carbon-neutral?**  
Plants absorb  $CO_2$  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***