1. INTRODUCTION

Good morning, class! ■
Today we are going to learn something exciting — how to use sunlight ■■ to dry food like tomatoes and fish.
It's called a solar dryer. Say it with me: Solar Dryer!

Ask:
- Have you ever dried anything under the sun before?
- How do we usually dry clothes or tomatoes at home?

2. EXPLAIN THE PARTS (Show Diagram)

Let's look at this simple picture of a solar dryer.

■ Point to each part and explain clearly:
- Transparent Top (Glass or Plastic): Lets sunlight in ■■
- Black Surface: Gets hot ■ and warms the air
- Drying Trays: Place food here ■
- Air Vents: Allow air to move ■
- Box: Holds everything together ■

3. HOW IT WORKS

Step-by-step explanation:
1. Sunlight ■■ comes in through the transparent top
2. The black surface gets hot ■
3. Warm air moves around ■
4. Food becomes dry ■■

Repeat:
Sunlight ■■ → Heat ■ → Warm Air ■ → Dry Food ■

Ask:
- Why is the inside black?
- What happens when air gets hot?

4. QUICK GROUP TASK

Let's match the parts to their job.
- What part lets sunlight in? (Transparent top)
- Where does the food go? (Drying tray)

5. OPTIONAL HANDS-ON ACTIVITY

Can we build our own mini solar dryer next time?
Ask students to bring:
- Small box
- Clear plastic
- Black paper or paint
- Tape

6. CONCLUSION

Well done, scientists! ■
You’ve learned how to turn the sun into a drying machine.
Next time you eat dried mango or tomato, remember — you can make it at home using the sun!