🛢️ Making & Burning Biodiesel (Observer Jobs) · Prep Sheet

Biology A · Unit 3 · Level 2



Name: _____

👥 Job roles: circle your job. Initial when it is done.

Job	What you do	Done ✔️
⏱️ **Timer**	Starts the timer: 10 minutes of shaking (Day 1), 5 minutes of burning (Day 2). Calls out the time.	
📝 **Recorder**	Writes the oil color, thickness, and the water temperatures in the table.	
📷 **Photo taker**	Takes a photo before and after: oil, two layers, the flame (from a safe spot).	
👀 **Color checker**	Says what color the oil and biodiesel are, and if there are 2 layers.	

🧰 Tools and supplies: check when you have it

- ☐ 🥽 **Goggles** everyone, the whole lab
- ☐ ⏱️ **Timer** shake 10 minutes / burn 5 minutes
- ☐ 🌡️ **Thermometer** read the water temperature
- ☐ 📋 **Data table** on the observer card

⚠️ Safety and manners focus

🥽 Goggles on the whole lab. Stay behind the safety line.

🧪 Methanol and potassium hydroxide are poison and burn skin. Only the teacher touches them.

🔥 Only the teacher lights and puts out the flame. Long hair tied back.

🧼 Wash hands after the lab. No food or drinks at the lab table.

✅ Before you start

☐ Goggles on ☐ I know my job ☐ Safety line on the floor ☐ Hands free (no food)