

# Oyster Filtration Experiment: Materials Checklist

## Equipment & Supplies

- ☐ Extension cord
- ☐ Power splitter or surge protector
- ☐ Aquarium tanks (3): Control, Oyster, Touch
- ☐ Aerators with tubing (3 recommended)
- ☐ Cooler for oyster transport
- ☐ Ice packs (not direct contact with oysters)
- ☐ Carboys with estuary water (3-5 @ 5 gallons each)
- ☐ Measuring cup or pitcher (for even turbidity distribution)
- ☐ Timer or stopwatch
- ☐ Labels for tanks
- ☐ Notebook or laminated worksheet
- ☐ Handheld water quality meters:
  - ☐ - Turbidity (or visual secchi disk for small tanks)
  - ☐ - Temperature
  - ☐ - Salinity
  - ☐ - Dissolved Oxygen (optional)

## Turbidity & Feeding

- ☐ Estuarine sediment (fine-grained)
- ☐ OR powdered spirulina
- ☐ OR algae concentrate (Nannochloropsis, Isochrysis)
- ☐ OR powdered milk (backup option)

## Touch Tank Supplies

- ☐ Mesh tray or basket for oysters
- ☐ Hand sanitizer or hand wash station
- ☐ Gloves or hand wipes

## Cleanup & Spill Control

- ☐ Towels

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☐ Tarp or plastic drop sheet

☐ Small waste bucket

### **Engagement & Learning**

☐ Posters or laminated visuals

☐ Oyster fun facts handout

☐ Prediction/voting cards or whiteboard

☐ Magnifying glass (optional)