

SUPPLY WORKSHEET

This worksheet is available online at www.oms.edu/k8chemistry.

DNA Extraction

Recommended group size: 2–3

Number of Students: Number of Groups:

Supplies	Amount Needed	Supplies on Hand	Supplies Needed
strawberries	1 per group		
sealing plastic bags (e.g., Ziploc™)	1 per group		
liquid dish soap	½ teaspoon per group		
99% isopropyl alcohol (or lower, e.g., 70% rubbing alcohol)	¼ cup per group		
meat tenderizer OR papaya or pineapple juice	1 tablespoon per class OR ¼ cup juice per class		
salt	1 tablespoon per class		
tall, clear, narrow plastic cups (8 oz. or 12 oz.)	2 per group		
teaspoon measure	1 per group		
pop-top squeeze bottles (e.g., water or sports drink)	1 per group		
freezer or bucket of ice	1 per class		
Extension A			
source of animal DNA (calf liver or thymus work well)	½ cup per class		
blender	1 per class		
Extension B			
other sources of DNA (wheat germ, spinach, peas, onions, broccoli, bananas, zucchini)	1–2 cups per class		
blender	1 per class		
Teacher Demonstration			
no extra supplies needed			