

Experiment		Suggested Products
1	Introduction to Data Collection	Stainless Steel Temperature Probe
2	Acids and Bases	pH Sensor
3	Diffusion through Membranes	Conductivity Probe
4	Conducting Solutions	Conductivity Probe
5	Osmosis	Gas Pressure Sensor
6	Respiration of Sugars by Yeast	CO ₂ Gas Sensor
7	Reflection and Absorption of Light	Light Sensor, Stainless Steel Temperature Probe
8	Soil pH	pH Sensor
9	Soil Salinity	Conductivity Probe
10	Soil Temperature	Stainless Steel Temperature Probe
11	Soil Moisture	Soil Moisture Sensor
12A	Photosynthesis and Respiration (CO₂)	CO ₂ Gas Sensor
12B	Photosynthesis and Respiration (O₂)	O ₂ Gas Sensor
12C	Photosynthesis and Respiration (CO₂ and O₂)	CO ₂ Gas Sensor, O ₂ Gas Sensor
13	Transpiration	Gas Pressure Sensor
14A	Cell Respiration (CO₂)	CO ₂ Gas Sensor
14B	Cell Respiration (O₂)	O ₂ Gas Sensor
14C	Cell Respiration (CO₂ and O₂)	O ₂ Gas Sensor, CO ₂ Gas Sensor
15	The Greenhouse Effect	Stainless Steel Temperature Probe
16	Energy in Food	Stainless Steel Temperature Probe
17A	Enzyme Action: Testing Catalase Activity	O ₂ Gas Sensor
17B	Enzyme Action: Testing Catalase Activity	Gas Pressure Sensor
18A	Lactase Action	CO ₂ Gas Sensor
18B	Lactase Action	Gas Pressure Sensor
19	Oxygen Gas and Human Respiration	O ₂ Gas Sensor
20	Biochemical Oxygen Demand	Vernier Optical DO Probe
21	Animal Temperature	Stainless Steel Temperature Probe
22	Lemon "Juice"	30-Volt Voltage Probe
23	Ohm's Law	Current Probe, Differential Voltage Probe, Extech Digital DC Power Supply, Vernier Circuit Board 2

24	Energy Content of Fuels	Stainless Steel Temperature Probe
25	Photovoltaic Cells	Current Probe, Voltage Probe, Light Sensor
26	Wind Power	Current Probe, Voltage Probe
27	Watershed Testing	Conductivity Probe, Vernier Optical DO Probe, pH Sensor, Stainless Steel Temperature Probe
28	Interdependence of Plants and Animals	Vernier Optical DO Probe, pH Sensor
29	Biodiversity and Ecosystems	Stainless Steel Temperature Probe