

A Logos Science Lab Kit for use with BJU Press Chemistry (4th Ed.)

Used in conjunction with the BJU Press Chemistry Lab Manual, The Logos Science Chemistry Addendum and Lab Kit contains information, equipment, and supplies your student needs to fully experience the stunning reactive world of chemistry as mapped out in the BJU Press Chemistry Lab Manual. Logos has completely tuned the Chemistry Addendum and Laboratory Kit with the BJU Press Chemistry Lab Manual to: 1) eliminate the need for high cost equipment, 2) minimize the quantities and strengths of chemicals used*, 3) maximize safety for non-traditional laboratory settings, 4) maximize the advantages of non-traditional learning environments (e.g. home school and small class settings), and to 5) maximize each student's reverence for our Creator by witnessing excellent reactions and interactions between chemical components of His marvelous works (See Psalm 19).

**The Chemistry kit contains no concentrated acids or bases and the use of low quantities (about 1/100th of the chemicals a typical lab would consume) to assure the safety of the student and of the environment, helping us be good stewards of God's creation.*

Contents

Equipment and Supplies

alligator clip leads
aluminium bar
balloon
battery
beakers
conductivity tester
electrolysis device
cork
cups and cup cover
diffraction grating
digital multimeter
digital scale
evaporating dish
filter paper
funnel
gloves
goggles
graduated cylinder
magnifying lens
marble
measuring spoon
minerals
molecular model kit
paper tape
pencil lead
pipets
plastic samples
reaction plates

rubber bands
ruler
sand
sandpaper
SDS - safety data sheets
steel wool
stirring rod
string
tape measure
tea candle
test tubes, clamp and rack
thermometer
toothpicks
vernier calliper
wash bottle
wire
wood splints

Chemicals and indicators

acetic acid
calcium nitrate
copper nitrate
hydrochloric acid
indicator paper: pH and phenolphthalein
iron III chloride
methyl orange solution
methyl red solution
nickel nitrate,

O2 test tablets
paraffin wax
pH paper
potassium hydroxide
potassium iodide
potassium permanganate
potassium thiocyanate
protein test strips
sodium oxalate
sodium sulfate
sodium thiosulfate
thymol blue solution
zinc nitrate

Solid chemicals and metals

ammonium chloride
calcium chloride
copper II sulfate
fertilizer
iron filings
magnesium sulfate
manganese dioxide
potassium chloride
potassium sulfate,
strontium chloride
zinc strip



WARNING! CHOKING HAZARD:

-Small parts. Not for children under 3 years.