

Skill and Practice Worksheets

Skill Sheets

Skill Sheets are numbered according to textbook chapter. If more than one skill sheet goes with a particular chapter, the chapter number is followed by a letter. The unit icon is shown on each Skill Sheet

1	Speed Problems	18-B	Electrons and the Periodic Table
2	Acceleration Problems	19-A	Dot Diagrams
3-A	Newton's Second Law	19-B	Chemical Formulas
3-B	Mass vs. Weight	19-C	Naming Chemical Compounds
3-C	Momentum	19-D	The Mole and Avogadro's Number
3-D	Applying Newton's Laws of Motion	19-E	Calculating Formula Mass
4-A	Mechanical Advantage	20-A	Chemical Equations
4-B	Gear Ratios	20-B	Predicting Product in a Reaction
5-A	Work	21	Predicting Chemical Equations
5-B	Power	23-A	Making Solutions
5-C	Potential and Kinetic Energy	23-B	Solubility
7-A	Using an Electric Meter	23-C	Calculating pH
7-B	Voltage, Current, and Resistance	24	Salinity and Concentration Problems
8-A	Ohm's Law	25-A	Temperature Scales
8-B	Electrical Power	25-B	Specific Heat
8-C	Electrical Power and Ohm's Law	25-C	Calorimetry
9-A	Parallel and Series Circuits	27-A	Degree Days
9-B	Open and Closed Circuits	27-B	Using a Weather Map
9-C	Electric Circuit Project	27-C	Tracking a Hurricane
11	Harmonic Motion	28-A	Relative Dating
12	Waves	28-B	Using a Bathymetric Map
15-A	Ray Diagrams	28-C	Finding an Earthquake Epicenter
15-B	The Law of Reflection	29-A	Interpreting Geologic Hazard Maps
16	Indirect Measurement	29-B	Mohs Hardness Scale
17-A	Density	30	Measuring the Moon's Diameter
17-B	Ratios and Proportions	31-A	Gravity Problems
17-C	Buoyancy	31-B	Touring the Solar System
17-D	Gases and Pressure	32-A	Comparing Sizes of Stars
18-A	Atoms, Isotopes, and Ions	32-B	Doppler Shift

Skill Builders



Skill builders are organized alphabetically and are meant to be used when students need to practice basic skills.

Calculating Slope	Problem Solving with Rates
Dimensional Analysis	Reading Strategies
Fractions Review	Science Vocabulary
International System of Measurements	Scientific Processes
Internet Research Skills	Significant Digits
Interpreting Graphs	Solving Equations
Lab Report Format	Working with Quantities and Rates
Making Graphs	Scientific Notation