

Lesson	Know	Apply	Extend
1.4.1 Pressure in gases	I can describe the motion of particles in a fluid. <input type="checkbox"/>	I can explain why fluids exert a pressure. <input type="checkbox"/>	I can explain a range of observations in terms of fluid pressure. <input type="checkbox"/>
	I can calculate fluid pressure with support. <input type="checkbox"/>	I can calculate fluid pressure. <input type="checkbox"/>	I can calculate fluid pressure in a range of situations. <input type="checkbox"/>
	I can state the cause of atmospheric pressure. <input type="checkbox"/>	I can describe how atmospheric pressure changes with height. <input type="checkbox"/>	I can predict the changes to the effects of atmospheric pressure at different altitudes or temperature. <input type="checkbox"/>
1.4.2 Pressure in liquids	I can state simply what happens to pressure with depth. <input type="checkbox"/>	I can describe how liquid pressure changes with depth. <input type="checkbox"/>	I can explain why liquid pressure changes with depth. <input type="checkbox"/>
	I can describe characteristics of some objects that float and some that sink. <input type="checkbox"/>	I can explain why some things float and some things sink, using force diagrams. <input type="checkbox"/>	I can explain why an object will float or sink in terms of forces or density. <input type="checkbox"/>
	I can write down the equation for calculating fluid pressure. <input type="checkbox"/>	I can use the equation for calculating fluid pressure. <input type="checkbox"/>	I can use the equation for calculating fluid pressure to explain how hydraulic machines work. <input type="checkbox"/>
1.4.3 Stress on solids	I can state the equation of stress. <input type="checkbox"/>	I can calculate stress. <input type="checkbox"/>	I can calculate stress in multistep problems. <input type="checkbox"/>
	I can use ideas of stress to qualitatively describe familiar situations. <input type="checkbox"/>	I can apply ideas of stress to different situations. <input type="checkbox"/>	I can compare stress in different situations, explaining the differences in pressure using scientific knowledge. <input type="checkbox"/>
	I can predict qualitatively the effect of changing area and/or force on stress. <input type="checkbox"/>	I can predict qualitatively the effect of changing area and/or force on stress. <input type="checkbox"/>	I can predict quantitatively the effect of changing area and/or force on stress in a range of situations. <input type="checkbox"/>