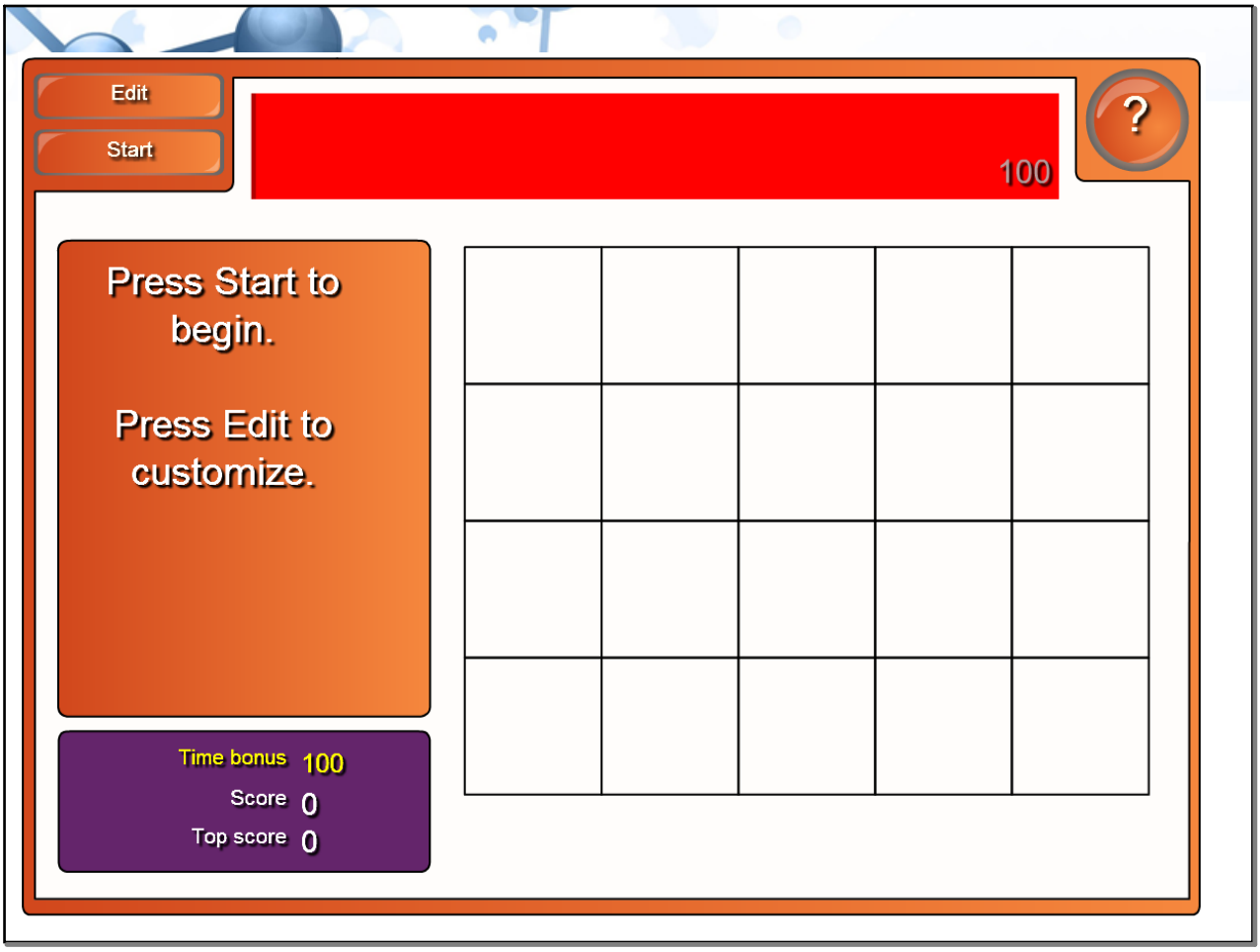
Grade 7 Science

Unit 3: Pure Substances and Mixtures



Definitions

Today we will add four new definitions to our list:

Soluble	When a solute is able to dissolve in a solvent.
Insoluble	When a substance is not able to dissolve in another, specific, substance.

Why do I not define insoluble as:

"When a *solute* is not able to dissolve in another, specific, *solvent*."

Mechanical mixtures do not have a solute or a solvent, as there is no substance dissolving into another substance.

Dilute	To weaken the strength of a solution by increasing the amount of solvent.
Saturated	The point at which no more solute can be dissolved in a solvent.

Edit

Start

100

?

Press Start to begin.

Press Edit to customize.

Time bonus 100

Score 0

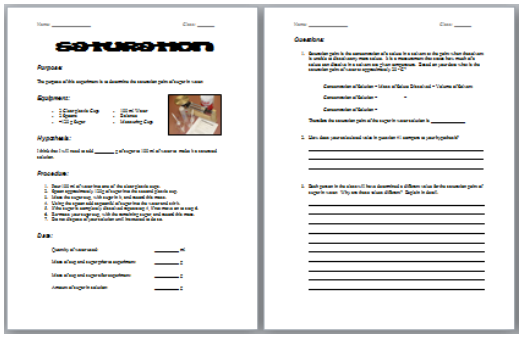
Top score 0

Saturation

Next period we will be performing an experiment. We will use the remaining time today to discuss that experiment, in order to optimize the time we have next period.

The purpose of the experiment is to look at saturation point, specifically, the saturation point of sugar in water.

Today we will read through the experiment sheet in its entirety. I will also take the time to show you how to use the required equipment. If you do not understand a specific step, be sure to clarify today, so that you are prepared next period.



Attachments

3-18 Saturation Worksheet.pdf