

Mixing It Up with Nova the Owl

Get ready to experiment! Discover how to separate the inseparable with Nova's guide to mixtures.

- A mixture is created when two or more different substances are combined, but they do not create a new substance and can often be separated again.
- Solids can be separated from liquids using a filter, which allows the liquid to pass through while trapping the solid particles.
- A sieve is a brilliant tool for separating mixtures of solids that have different particle sizes, like sand and pebbles.
- Not all substances dissolve in water; those that do are called soluble, while those that do not are called insoluble.
- Evaporation is a clever way to recover a dissolved solid from a liquid solution by heating the mixture until the liquid turns into gas.

Did you know? Did you know? If you mix salt into water, the salt seems to disappear! This is because it dissolves to form a solution. To get the salt back, you can leave the water in a warm place to evaporate, leaving the solid salt crystals behind at the bottom of the container.

Key vocabulary: mixture · solution · dissolve · filter · sieve · evaporation · solute · solvent