

## Lesson: Could you transform something worthless into gold?

---

<b>alchemist</b>	a name for people in the past who studied the combination of chemicals
<b>dissolve</b>	when one substance mixes with another and it looks like it disappears, such as when sugar mixes into tea
<b>evidence</b>	information that can be used to support or reject an idea
<b>experiment</b>	a test used to discover new information about a question
<b>liquid</b>	a state of matter, such as water when you can pour it
<b>matter</b>	anything that takes up space; can be in different forms such as solid, liquid, or gas
<b>mixture</b>	a combination of two or more things
<b>particle</b>	a very tiny thing, sometimes too small to be seen
<b>solution</b>	a special kind of mixture where you cannot tell the different parts from each other
<b>states of matter</b>	different forms of matter that include solid, liquid, and gas