

# What makes an IGCSE Physics Kognity Learner?

Kognity supports IGCSE students in growing lifelong academic and social-emotional skills that will help them succeed in further study and career goals. Use the tree below to explore how Kognity nurtures IGCSE Physics learners in developing these skills.

## IGCSE Learner Attributes with Kognity

1 General physics		
Subtopic	Sections	Strength
<input type="radio"/> 1.1 Length and time	0/4	<div style="width: 25%;"></div>
<input type="radio"/> 1.2 Motion	0/7	<div style="width: 14%;"></div>
<input type="radio"/> 1.3 Mass and weight	0/4	<div style="width: 0%;"></div>
<input checked="" type="radio"/> 1.4 Density	2/4	<div style="width: 50%;"></div>
<input type="radio"/> 1.5 Forces	0/7	<div style="width: 0%;"></div>
<input type="radio"/> 1.6 Momentum	0/5	<div style="width: 0%;"></div>
<input type="radio"/> 1.7 Energy, work and power	0/7	<div style="width: 0%;"></div>
<input type="radio"/> 1.8 Pressure	0/5	<div style="width: 0%;"></div>

[Take strength test](#) 45 exam-style questions available

**Worked example 1**

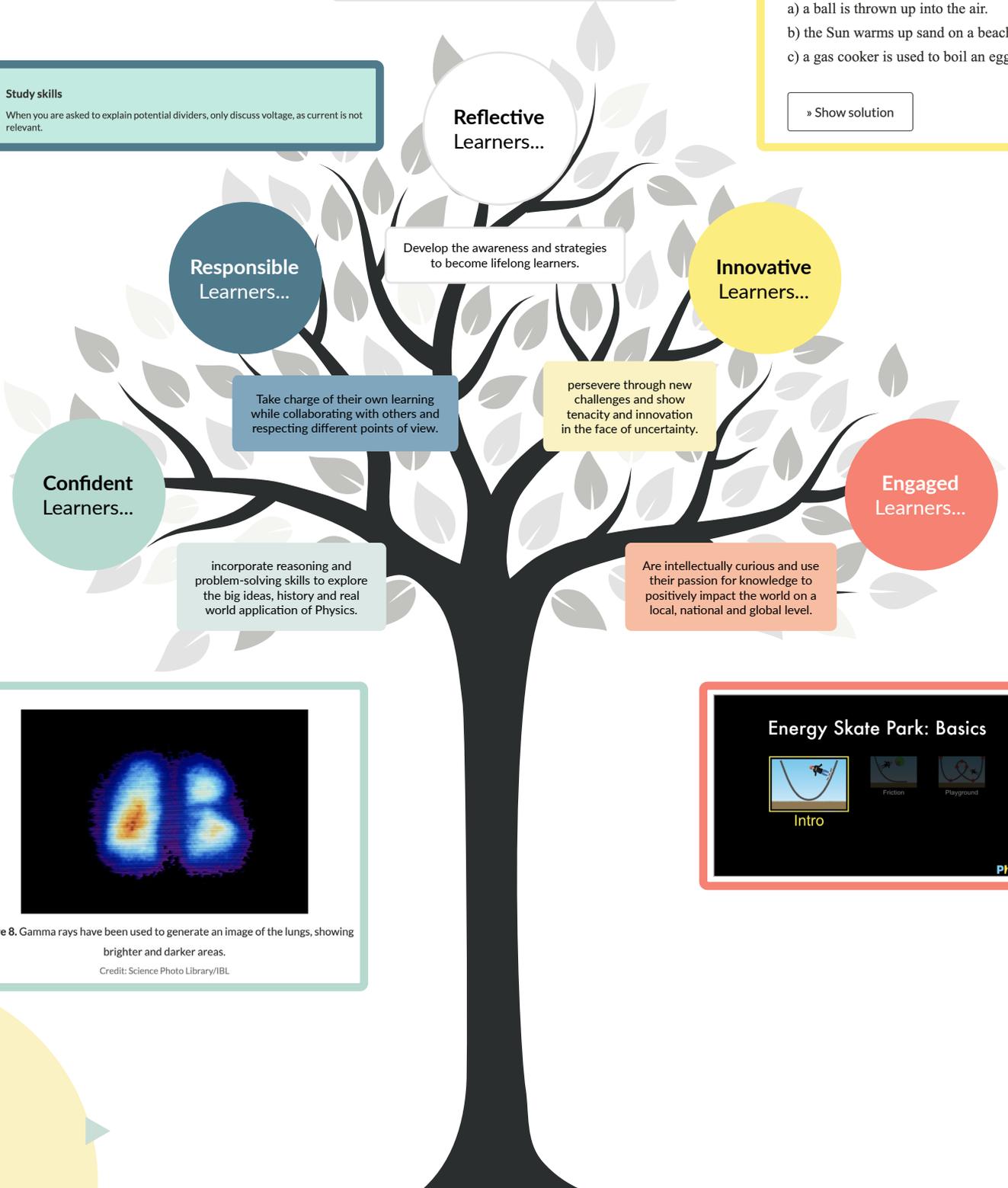
Explain how energy is transferred when:

- a ball is thrown up into the air.
- the Sun warms up sand on a beach.
- a gas cooker is used to boil an egg.

[» Show solution](#)

**Study skills**

When you are asked to explain potential dividers, only discuss voltage, as current is not relevant.



**Figure 8.** Gamma rays have been used to generate an image of the lungs, showing brighter and darker areas.  
Credit: Science Photo Library/IBL

**Energy Skate Park: Basics**

Intro Friction Playground

PHET