

Activity sheet 1

Exactly what does measuring capacity in **Amp-hours** or **Watt-hours** describe?

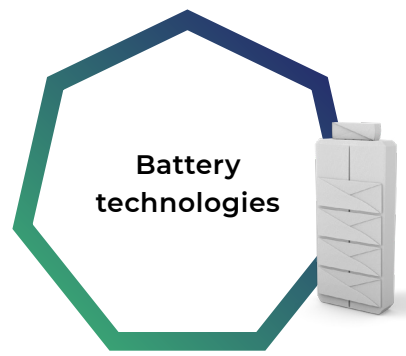
Amp-hours:

Watt-hours:

Suggest the advantage and disadvantage of each approach:



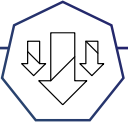
Complete the table to calculate each battery's capacity in Wh.
Put each application in order of capacity, from (1) = highest to (6) = lowest

	Ah	V	Wh	Order
Predicted UK grid storage in 2025	95 MAh	230 V		
Compact electric vehicle (EV)	110 Ah	360 V		
Earbud (single)	90 mAh	3.7 V		
Cordless drill	4 Ah	18 V		
Smartphone	3.2 Ah	3.7 V		
eBike	8.5 Ah	36 V		

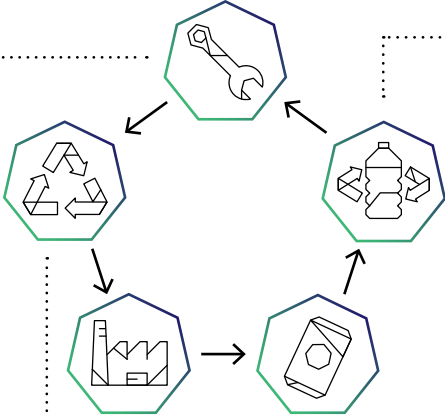


Activity sheet 2

Write how each of the 6Rs can contribute to a sustainable, circular economy for lithium batteries. Include broader ideas to make the production and consumption of batteries more sustainable.

 <p>Rethink:</p>	 <p>Refuse:</p>	 <p>Reduce:</p>
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Materials flow in a cycle that maximises their value.

<p>Repair:</p>		<p>Reuse:</p>
<p>Recycle:</p>	<p>Production:</p>	<p>Consumption:</p>