

**Handout 5a: Framing-learning grid for perpetual (non-stop) motion and energy (science)**

**Starter question:** The higher you climb up a mountain, the colder it becomes. Why? Discuss in pairs for one minute and be ready to present your theories.

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| What do I already **know?** | What am I going to **find** out? | What have I **learnt**? |
|  | * What are the main types of energy? * What happens to particles when heat energy is applied to them? * How is heat transferred through a solid? * How is heat transferred through liquids? * How is heat transferred through space? * Do some solids transfer more heat than others? |  |

(Developed by Julia Strong with the support of Julian Klafkowski, science teacher, Prescot School, Knowsley)