

### Develop Your Own Rock Cycle Worksheet **Answer Key**

The rock cycle is the idea that the three main types of rock (sedimentary, metamorphic and igneous) undergo physical changes enabling each to change into any of the others. In other words, sedimentary can become metamorphic and/or igneous. Igneous can become sedimentary and/or metamorphic, and so forth.

The bullets below provide information on how each type of rock is formed.

- Any type of rock that undergoes heat and/or pressure can become *metamorphic* rock.
- Any type of rock that undergoes weathering and erosion turns into **sediment**.
- Any **sediment** that compacts or cements together can become *sedimentary* rock.
- *Igneous* rock is formed from cooling **magma**.
- **Magma** is formed from melting of *sedimentary, igneous* and *metamorphic* rock.

Using the above information, draw your own diagram to model the rock cycle. Your model should have five main categories – one for each of the types of rock and one for each of the intermediate stages (sediment and magma). **Below is an example of the rock cycle. Forms of solutions may vary, but content should be the same.**

