

# Y8 Earth and Universe Homework Grids

Name: \_\_\_\_\_

Science Teacher: \_\_\_\_\_

	Comment
Grid 1.1	
Grid 1.2	
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Grid 1.6	
Grid 1.7	
Grid 1.8	

**Grid 1.1: Use KO 30-31 Due: \_\_\_\_\_**

How are sedimentary rocks formed?

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What type of rock is granite? Explain how it's formed.

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What conditions are needed to turn sedimentary rocks into metamorphic rocks?

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What are the chemicals that make up rocks called? How are they arranged in igneous rocks?

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**Grid 1.3: Use KO 30-31**

**Due:** \_\_\_\_\_

Describe biological weathering?

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Which type of weathering is caused by changing temperatures? Describe how it works.

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Describe chemical weathering?

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What does "transport" refer to in the rock cycle?

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# Grid 1.5: Use KO 4-5

Due: \_\_\_\_\_

How long does it take for the earth to rotate on its axis?  
What is this called?

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Why do we have day and night?

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Explain why we have leap years.

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New Zealand is on the **opposite** side of the earth to the UK. What causes summer and winter there?

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**Grid 1.7: Use KO 4-5 Due: \_\_\_\_\_**

How many times does the earth go around the sun in 5 years? Show your working

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One mars year is 687 days long. In 3 mars years, approximately how many earth years have passed?

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List the planets in order of size (smallest to largest)

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Does an exoplanet orbit the sun? Explain your answer.

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How many light years away is our nearest star? Explain your answer.

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**Grid 1.8: Use KO 4-5** Due: \_\_\_\_\_

Explain why it is hotter in summer than in winter

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Why don't scientists use kilometres when looking at distances between stars?

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What is the link between distance from the Sun and temperature on planets?

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**Higher:** Draw a diagram of the seasons