

Response Cards for the Earth's Surface

The Earth Rocks!

1

What type of rocks are formed by melting and cooling lava and magma?

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Don't just meet the standard. Set it.

The Earth Rocks!

2

What type of rocks are changed by heat and pressure?

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3

What are rocks that are formed by bits of earth building up into layers?

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4

Describe weathering. What effect does weathering have on the earth's surface?

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5

Give an example of a metamorphic rock. Where would you expect to see one?

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6

Give an example of an igneous rock. Where would you expect to see one?

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7

Give an example of a sedimentary rock. Where would you expect to see one?

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8

Describe erosion. What effect does erosion have on the earth's surface?

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9

List the major layers of the earth.

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10

Which layers of the earth are composed mostly of iron and nickle?

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11

Which layers of the earth are composed primarily of rocky material?

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12

Describe the three types of plate tectonic boundaries.

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13

Name geological features in the ocean and on the continents that are caused by current and past plate movements.

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14

What is the difference between weathering and erosion?

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15

Tell some ways that people change the Earth's surface. How can negative changes be controlled?

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16

Describe what happens at a divergent plate? Would you want to live near one? Why or why not?

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17

Describe what happens at a convergent plate? Where in the world can you find one?

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18

Describe what happens at a sliding plate? Is it safe to live near a sliding plate? How do you know?

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19

How do scientists make inferences about changes in the earth over time?

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20

Where are the hottest of the earth's temperatures found? Compare the temperature there to the temperature where you are.

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