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| What do we know? |  What is the evidence? |
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Earth’s Model

Earth’s Layers

Draw the divisions between the crust, mantle, outer core, and inner core

My Guess Actual

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Earth’s Model notes (fill-in)

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| What do we know? |  What is the evidence? |
| 1. Spherical (almost)2. There are 7 continents, oceans, islands, an atmosphere, ect.3. There are 4 main layers1. Crust

\_\_\_\_\_\_\_\_\_ layer (\_\_\_ km)---🡪Made of \_\_\_\_\_and minerals🡪Mostly silicon--------------🡪\_\_\_\_\_\_\_\_-----------------------🡪\_\_\_\_\_\_\_\_\_\_ temperature------🡪1. Mantle

\_\_\_\_\_\_ km----------------------🡪 Made of mostly \_\_\_\_\_\_\_\_\_\_\_\_\_  and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_------🡪 Hot!----------------------------🡪 Solid and liquid (\_\_\_\_\_\_\_\_)---🡪1. Outer Core

\_\_\_\_\_\_ km----------------------🡪\_\_\_\_\_\_\_\_\_----------------------🡪\_\_\_\_\_\_\_\_!----------------------🡪Made of \_\_\_\_\_\_\_\_ and nickel🡪1. Inner Core

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ km----------🡪\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_-🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-------🡪 | 1. Satellite images and measurements2. Mapping through exploration, direct evidence (sampling of atmosphere)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Earth’s Model Notes (KEY)

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| What do we know? |  What is the evidence? |
| 1. Spherical (almost) (Spheroidal)2. There are 7 continents, oceans, islands, an atmosphere, ect.3. There are 4 main layers1. Crust

Thinnest layer (30 km)---🡪Made of rocks and minerals-🡪Mostly silicon--------------🡪Solid-----------------------🡪Coolest temperature------🡪1. Mantle

2,250 km----------------------🡪 Made of mostly magnesium and  Nickel---------------------------🡪 Hot!----------------------------🡪 Solid and liquid (plastic)---🡪1. Outer Core

2,900 km----------------------🡪Liquid----------------------🡪Hotter!----------------------🡪Made of iron and nickel----🡪1. Inner Core

1,300 km-------------------🡪Solid Iron-----------------🡪Hottest-------------------🡪 | 1. Satellite images and measurements2. Mapping through exploration, direct evidence (sampling of atmosphere)Seismic wavesDirect SamplingDirect SamplingDirect SamplingDirect SamplingSeismic wavesLava Inference/mathematic/radioactive decay. Seismic waves, Volcanic material (lava)Seismic wavesS-waves shadow zoneInference/mathematic/radioactive decay. Magnetic FieldSeismic wavesRefraction of P-waves, Magnetic FieldInference/mathematic/radioactive decay. |