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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 layers   1. 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 measurements  2. 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 layers   1. 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 measurements  2. Mapping through exploration, direct evidence (sampling of atmosphere)  Seismic waves  Direct Sampling  Direct Sampling  Direct Sampling  Direct Sampling  Seismic waves  Lava  Inference/mathematic/radioactive decay. Seismic waves, Volcanic material (lava)  Seismic waves  S-waves shadow zone  Inference/mathematic/radioactive decay. Magnetic Field  Seismic waves  Refraction of P-waves, Magnetic Field  Inference/mathematic/radioactive decay. |