

Diggin' Into Soil



3D Paper Model Maker - Placing learning in the hands of students.



PREVIEW

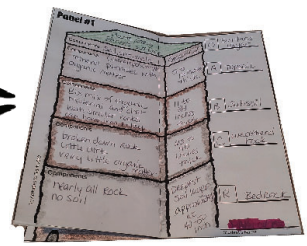
Diggin' Into Soil

Panel #1

INSTRUCTIONS for PANEL #1

1. Write your name on the space provided.
2. In each BOX identify the LETTER that represents that horizon.
3. On each line identify the name of the horizon.
4. Describe the components found in each of the 5 layers.
5. Color each horizon an appropriate color reflective of the materials found in that horizon. Example green for grass, brown for soil, grey for rocks, etc.
6. Cut out the panel out along the OUTER most line.
7. Fold the panel in half vertically along the dashed line, so that the colored side is inside the fold.

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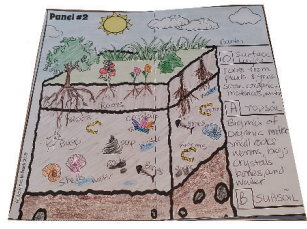
Diggin' Into Soil

Panel #2

INSTRUCTIONS for PANEL #2

2. In each BOX identify the LETTER that represents that horizon.
2. On each line identify the name of the horizon.
3. Indicate the material found in each layer illustrated.
4. Color the materials and substance of each horizon appropriately.
5. Cut out the panel out along the OUTER most line.
6. Fold the panel in half vertically along the dashed line, so that the colored side is inside the fold.

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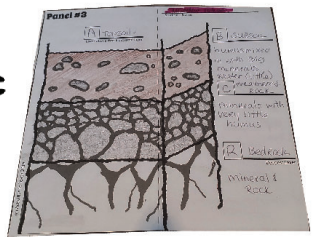
Panel #3

INSTRUCTIONS for PANEL #3

1. Write your name on the space provided.
2. In each BOX identify the LETTER that represents that horizon.
3. On each line identify the name of the horizon.
4. Describe the components found in each of the 5 layers.
5. Color horizons appropriately to their components.
6. Cut out the panel out along the OUTER most line.
7. Fold the panel in half vertically along the dashed line, so that the colored side is inside the fold.
8. To attach the 3 pieces together, glue the half of the back of panel 1 to the half the back of panel 2, then repeat half of back 2 to 3 and lastly the last back half of 3 to 1.

Note ALL colored surfaces face outward

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Panel #1

Plants, grass Earth's surface

Components Soil, dirt, roots

Components (decomposing) mineral particles with organic matter

5 to 10 inches thick

Organic

Surface layer

A TOPSOIL

Components Bix mix of organic material and chert with smaller rocks can have iron clay

11 to 37 inches thick

B Subsoil

Components broken down rock little chert very little organic matter

25 to 40 inches thick

C weathered rock

Components nearly all rock no soil

Deepest soil layer approximately at 40-50 inch

R Bedrock

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Panel #1

Plants, grass Earth's surface

Components Soil, dirt, roots

Components (decomposing) mineral particles with organic matter

5 to 10 inches thick

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Components Bix mix of organic material and chert with smaller rocks can have iron clay

11 to 37 inches thick

B Subsoil

Components broken down rock little chert very little organic matter

25 to 40 inches thick

C weathered rock

Components nearly all rock no soil

Deepest soil layer approximately at 40-50 inch

R Bedrock

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Panel #3

A TOPSOIL

B SUBSOIL

C WEATHERED ROCK

R BEDROCK

minerals with very little humus

minerals with very little humus

mineral & rock

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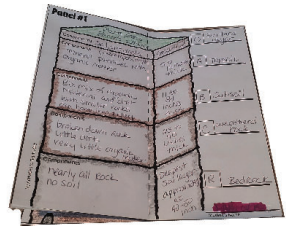
PREVIEW

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Panel #1B

INSTRUCTIONS for PANEL #1

1. Write your name on the space provided.
2. In each BOX identify the LETTER that represents that horizon.
3. On each line identify the name of the horizon.
4. Describe the components found in each of the 3 layers.
5. Color each horizon an appropriate color reflective of the materials found in that horizon. Example green for grass, brown for soil, gray for rocks, etc.
6. Cut out the panel along the OUTER most line.
7. Fold the panel in half vertically along the dashed line, so that the colored side is inside the fold.

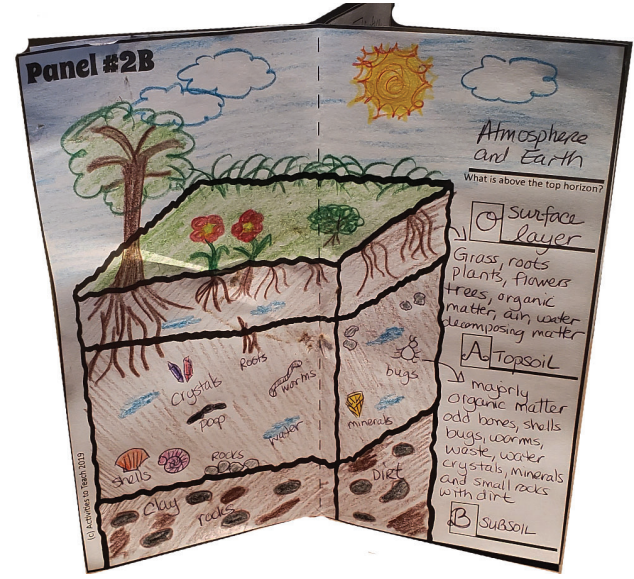
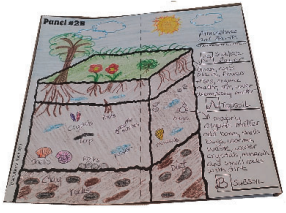


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Panel #2B

INSTRUCTIONS for PANEL #2B

1. In each BOX identify the LETTER that represents that horizon.
2. On each line identify the name of the horizon.
3. Draw and label the material found in each of the top 3 layers.
4. Illustrate what the surface of earth would look like.
5. Color the materials and substance of each horizon appropriately.
6. Cut out the panel along the OUTER most box.
7. Fold the panel in half vertically along the dashed line, so that the colored side is inside the fold.

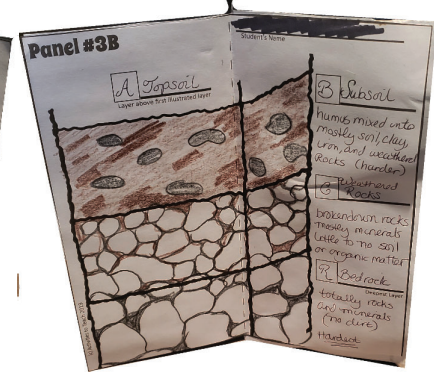
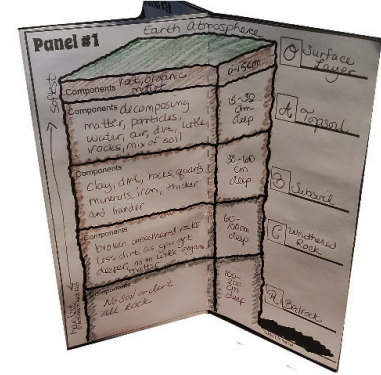
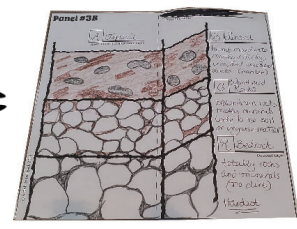


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Panel #3B

INSTRUCTIONS for PANEL #3B

1. Write your name on the space provided.
2. In each BOX identify the LETTER that represents that horizon.
3. On each line identify the name of the horizon.
4. Draw and label the materials found in the bottom 3 layers.
5. Color horizons appropriately to their components.
6. Cut out the panel along the OUTER most box.
7. Fold the panel in half vertically along the dashed line, so that the colored side is inside the fold.
8. To attach the 3 pieces together, glue the half of the back of panel 1 to the half of the back of panel 2, then repeat half of back 2 to 3 and lastly the last back half of 3 to 1.



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