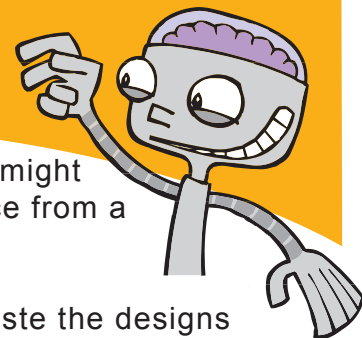


FOLD A CRYSTAL



Rocks are made of minerals and minerals often have crystal shapes. You might find crystal shapes, such as a cube, around your home—in the form of dice from a board game, ice cubes, or sugar cubes for example.

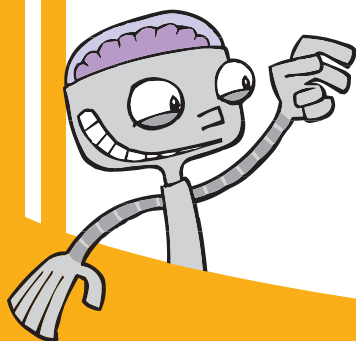
You can fold your own crystal shapes from paper. (If you photocopy or paste the designs in this activity onto card stock, they will be even easier to fold and will hold their shape)

WHAT YOU'LL NEED

- Scissors
- Tape
- Printout of this activity (Card stock and photocopy machine if available)

WHAT TO DO

Follow the printed instructions for each of the following crystal shapes.



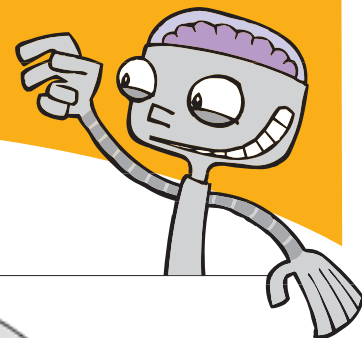
DID YOU KNOW?

- A liquid crystal is both a liquid and a crystal! A soap solution is a type of liquid crystal.

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This activity was modified and adapted from the *Stories in Stone* Teacher's Guide published by LHS Great Explorations in Math and Science (GEMS).

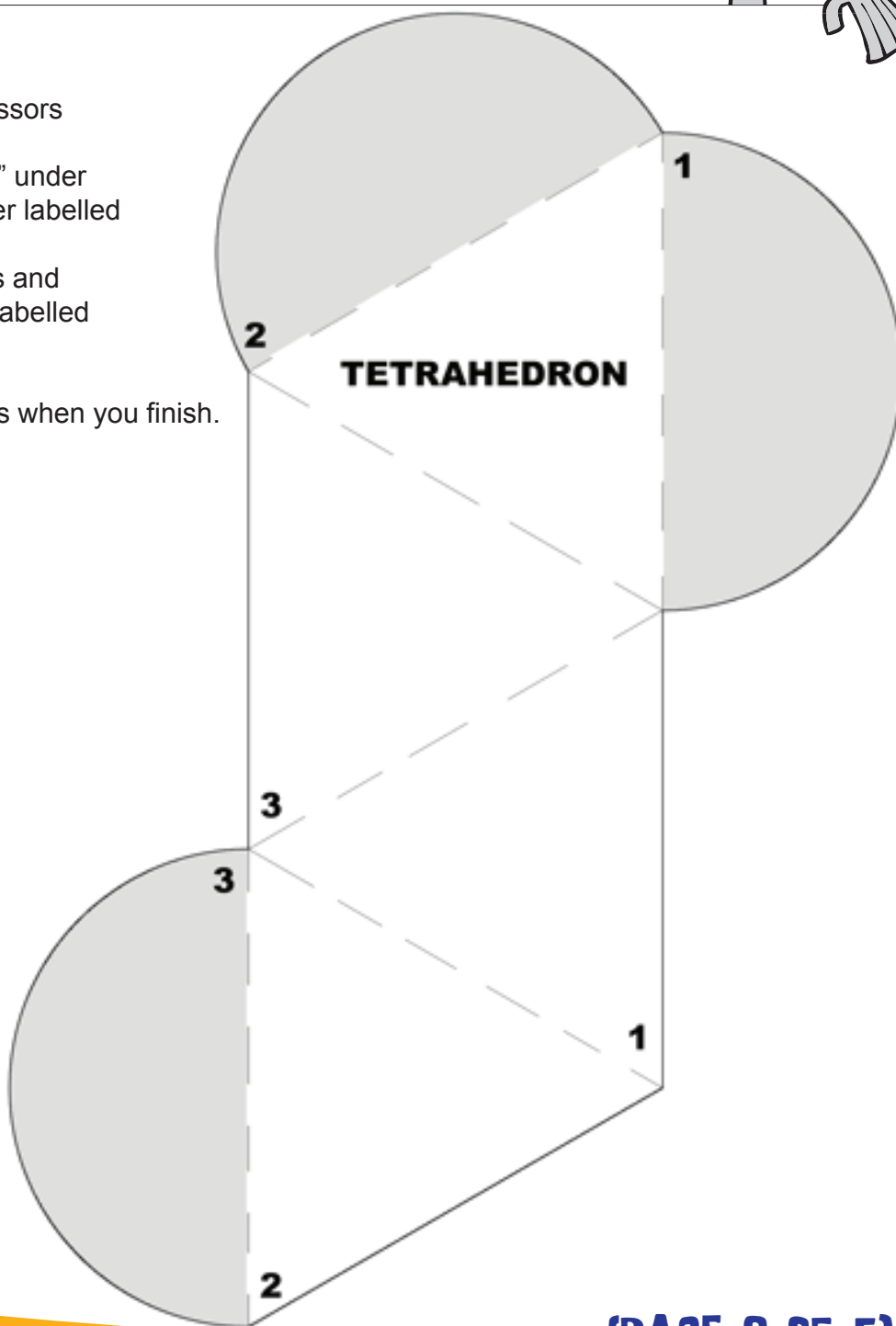
FOLD A CRYSTAL



TETRAHEDRON

1. Cut along all dark lines with scissors
2. Fold along all dashed lines.
3. Fold the shaded tab labelled "1" under the corresponding triangle corner labelled "1" and tape the edge.
4. Repeat step 3 with shaded tabs and corresponding square corners labelled "2" and "3."

You should have 4 triangular faces when you finish.



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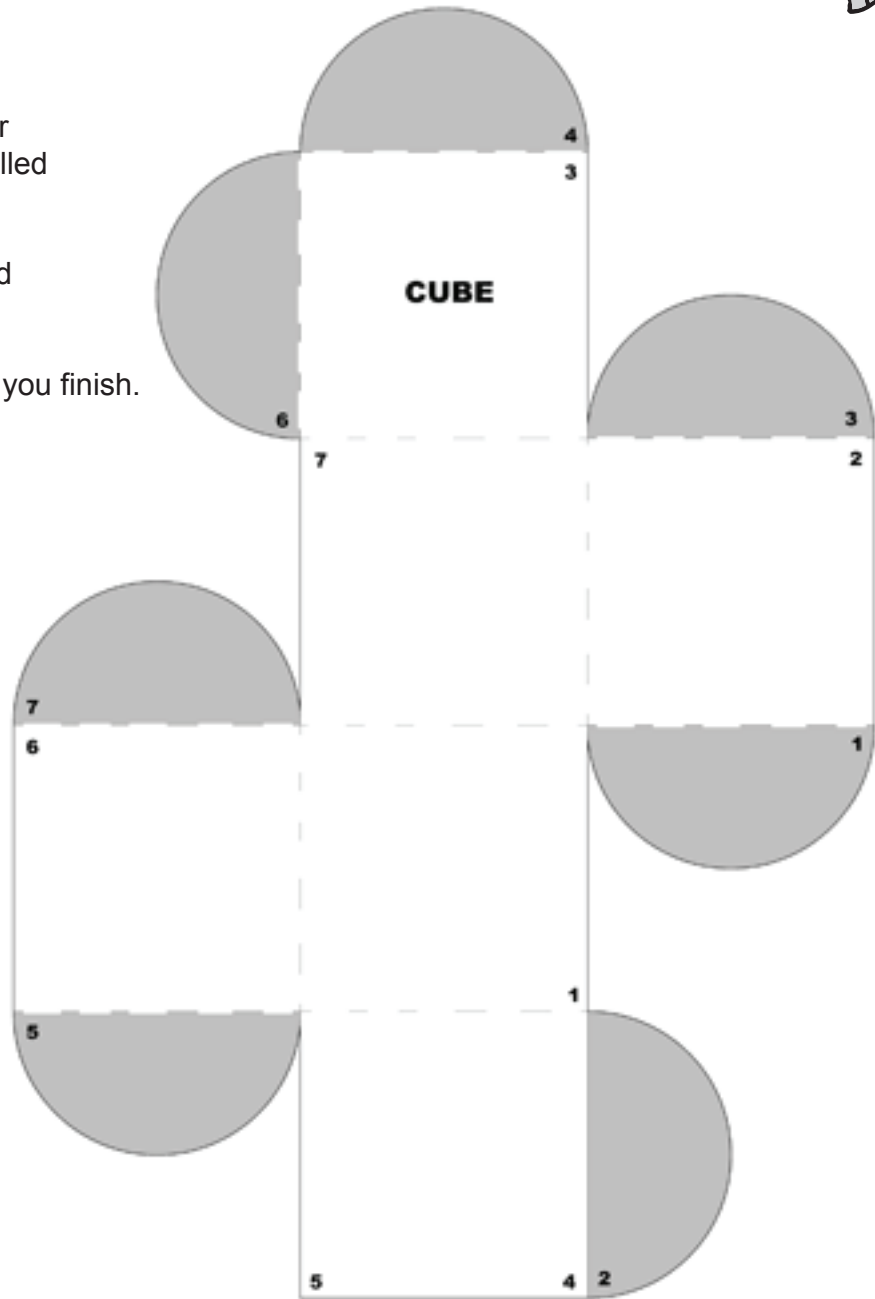
FOLD A CRYSTAL



CUBE

1. Cut along all dark lines with scissors
2. Fold along all dashed lines.
3. Fold the shaded tab labelled "1" under the corresponding square corner labelled "1" and tape the edge.
4. Repeat step 3 with shaded tabs and corresponding square corners labelled "2," "3," "4," "5," "6," and "7."

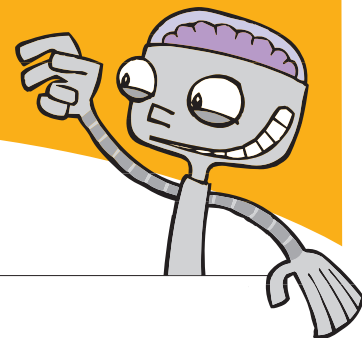
You should have six square faces when you finish.



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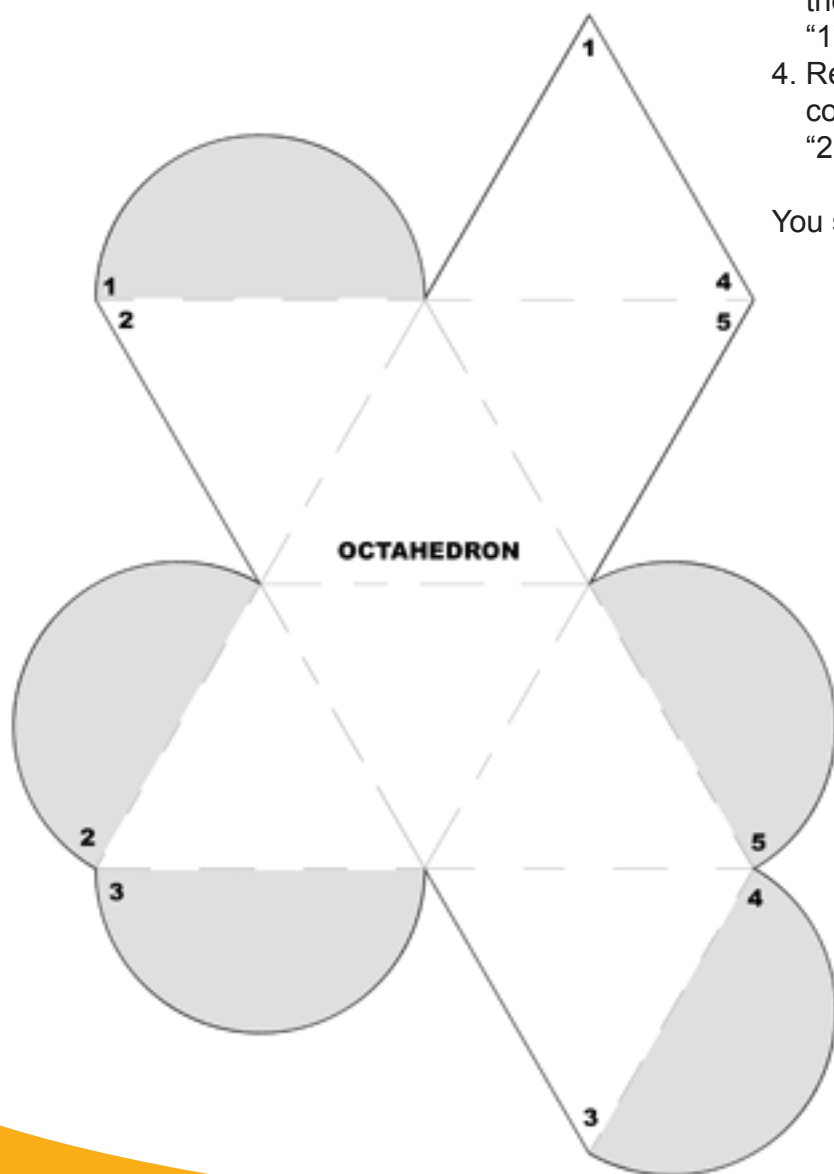
FOLD A CRYSTAL



OCTAHEDRON

1. Cut along all dark lines with scissors
2. Fold along all dashed lines.
3. Fold the shaded tab labelled "1" under the corresponding square corner labelled "1" and tape the edge.
4. Repeat step 3 with shaded tabs and corresponding square corners labelled "2," "3," "4," and "5."

You should have 8 triangular faces when you finish.



(PAGE 4 OF 5)

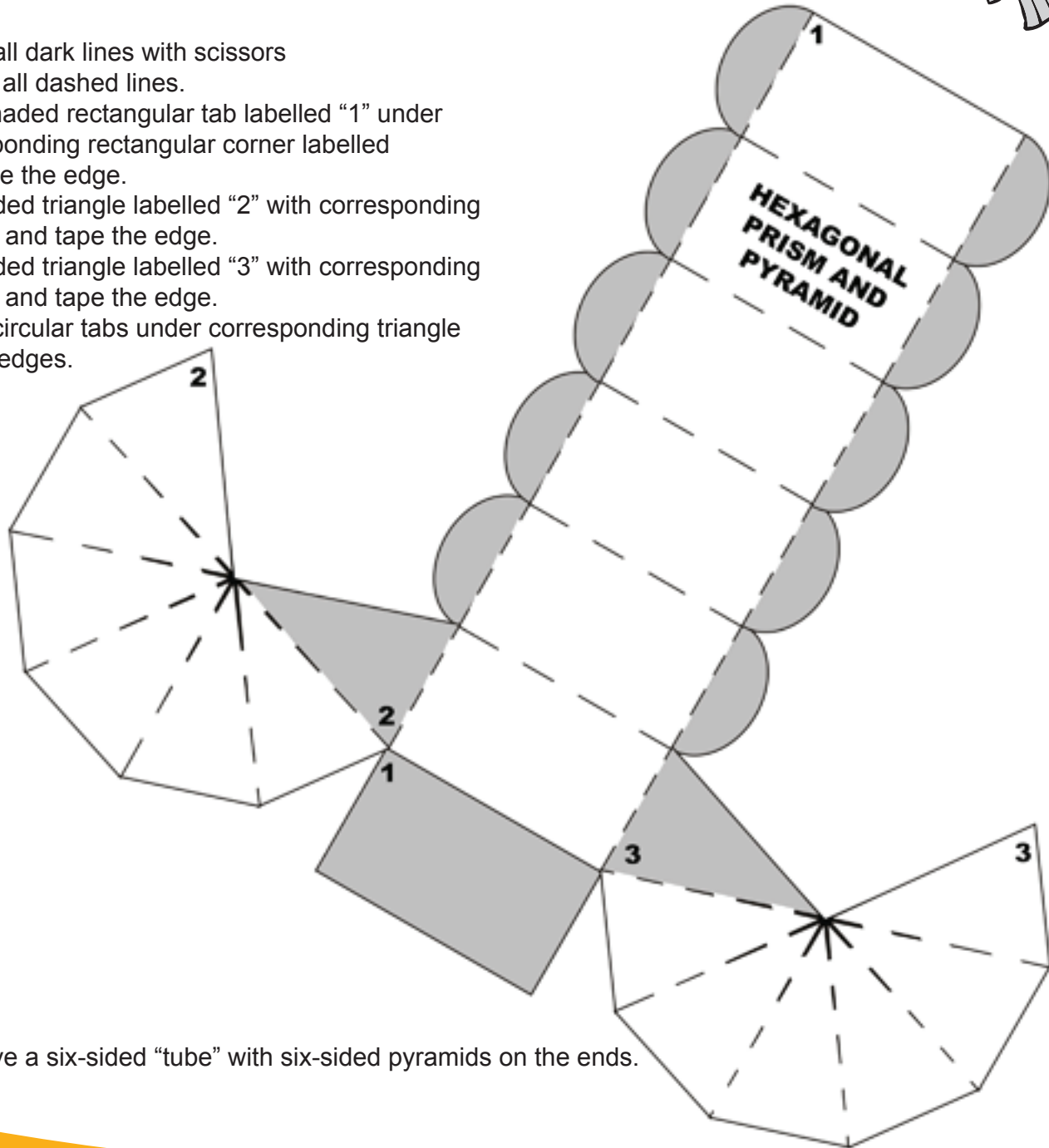
This activity was modified and adapted from the *Stories in Stone* Teacher's Guide published by LHS Great Explorations in Math and Science (GEMS).

FOLD A CRYSTAL



HEXAGONAL PRISM & PYRAMID

1. Cut along all dark lines with scissors
2. Fold along all dashed lines.
3. Fold the shaded rectangular tab labelled "1" under the corresponding rectangular corner labelled "1" and tape the edge.
4. Cover shaded triangle labelled "2" with corresponding triangle "2" and tape the edge.
5. Cover shaded triangle labelled "3" with corresponding triangle "3" and tape the edge.
6. Tuck semicircular tabs under corresponding triangle and tape the edges.



You should have a six-sided "tube" with six-sided pyramids on the ends.

(PAGE 5 OF 5)

This activity was modified and adapted from the *Stories in Stone* Teacher's Guide published by LHS Great Explorations in Math and Science (GEMS).