

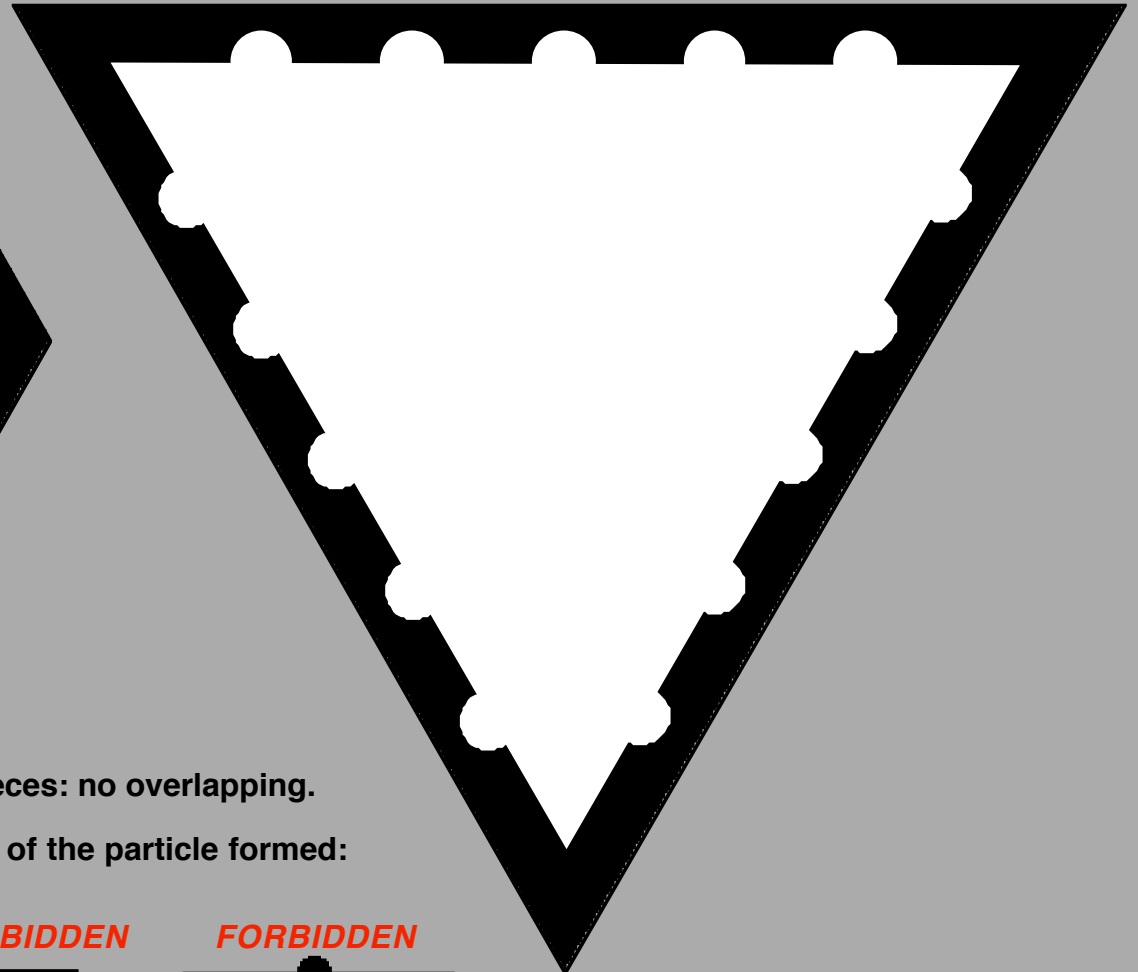
MESON WORKBENCH

BUILD MESONS HERE



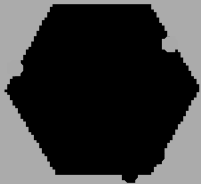
BARYON WORKBENCH

BUILD BARYONS HERE



- Quark pieces must fit together like puzzle pieces: no overlapping.
- There must be no empty spots on the inside of the particle formed:

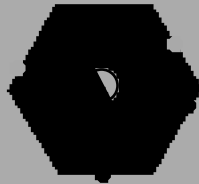
ALLOWED



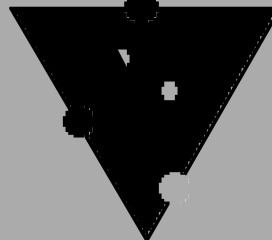
ALLOWED

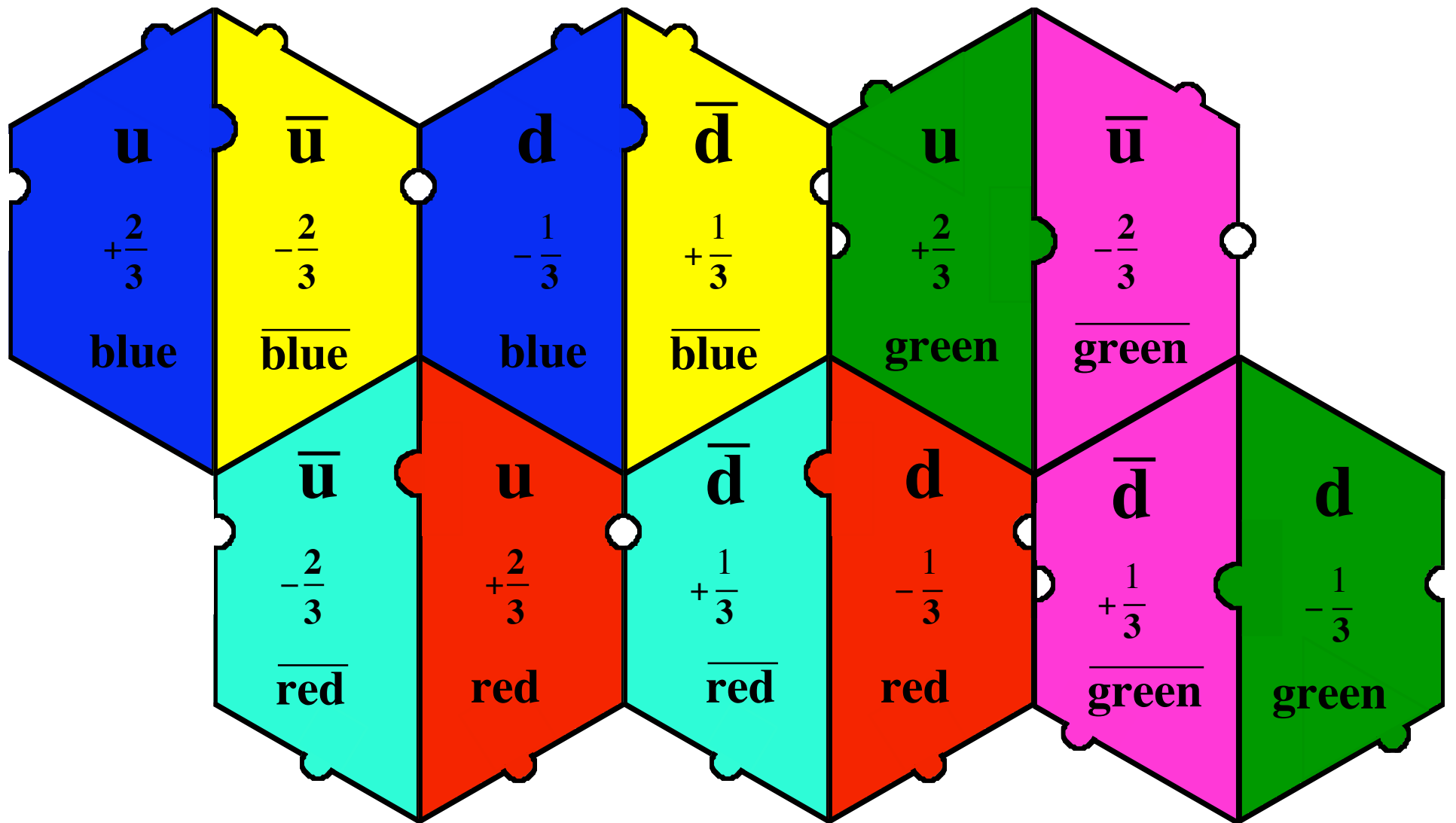


FORBIDDEN



FORBIDDEN

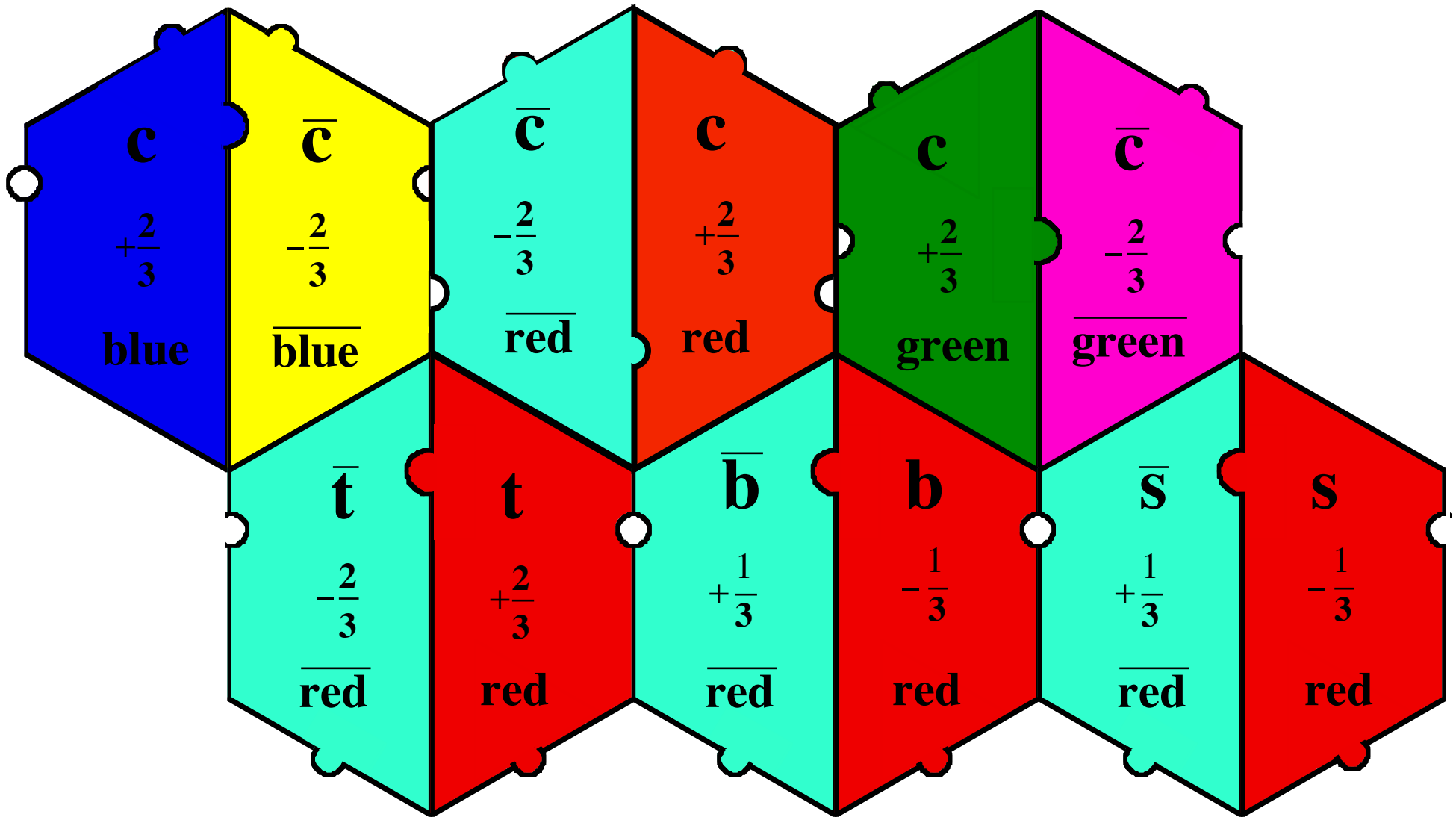




TEACHER: Cut out each Quark puzzle piece beforehand. Each will be one color (or anti-color). Discard the white dots. Card stock will make better pieces than plain white paper.

Recommendation: Print out many extra copies of this page, to help represent that up and down quarks comprise the particles common to our experience.

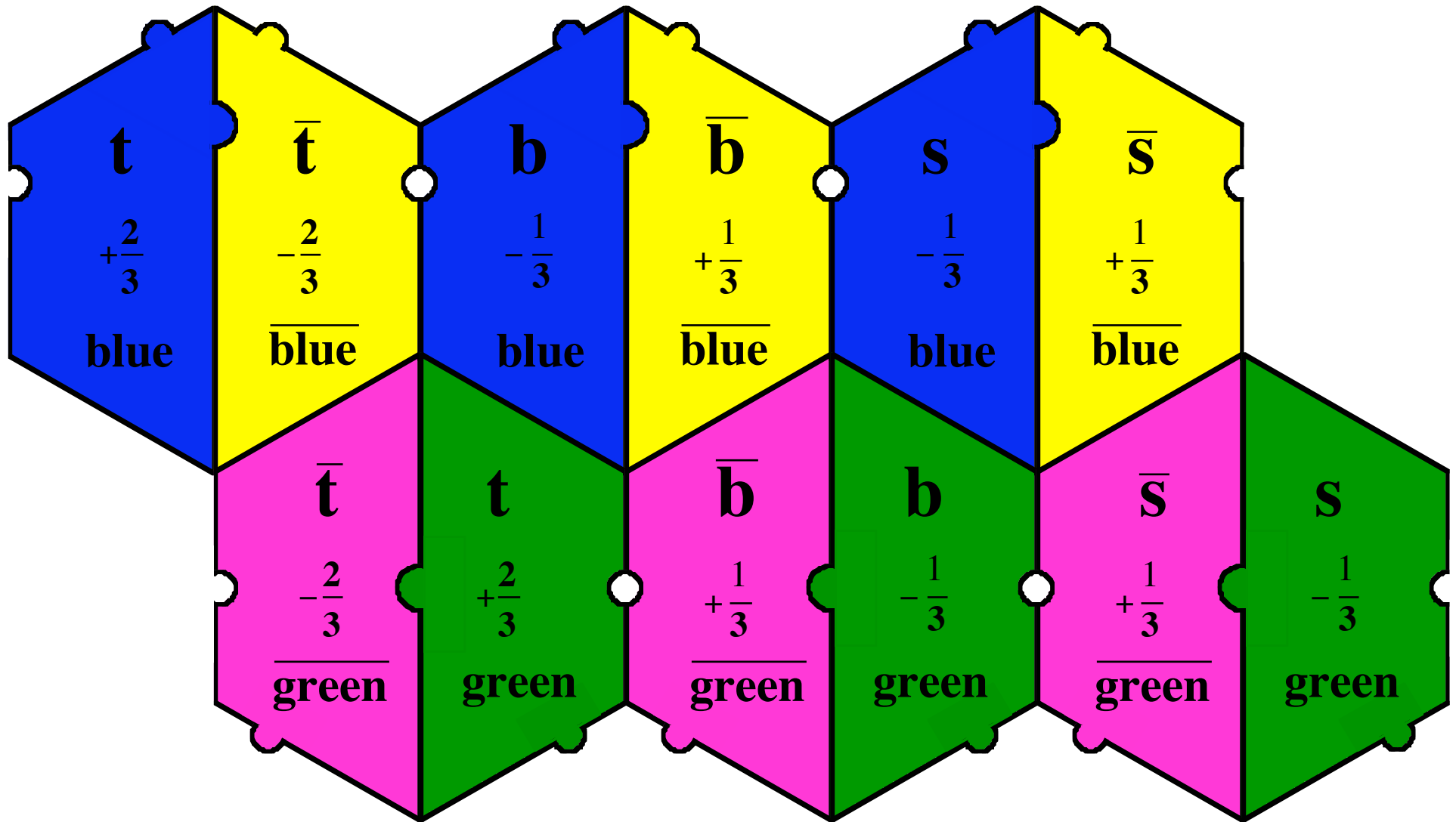
QUARK PIECES pg. 1 of 3



TEACHER: Cut out each Quark puzzle piece beforehand.
 Each will be one color (or anti-color). Discard the white dots.

QUARK PIECES

pg. 2 of 3



TEACHER: Cut out each Quark puzzle piece beforehand.

Each will be one color (or anti-color). Discard the white dots.

QUARK PIECES

pg. 3 of 3