## ADENOVIRUS

## COPY ONTO CARD STOCK

TIP: Rubber bands can hold it while it dries.



You will need:

- this page copied onto card stock
- scissors, and white craft glue or a good quality glue stick
- a ruler or straight-edge
- a sharp point of some kind to
- score fold lines (compass point, small nail, scissor point)
- some large, thin rubber bands
- any art supplies you want to use if you decide to add color to your model
- any craft supplies you want to use to add attachment
- knobs (paper straws, pompoms, cotton swabs, beads, etc.)
- hot glue if you will be attaching plastic parts

#### How to assemble:

1) Score the fold lines before you cut. Scoring might seem like an unnecessary step, but if you score the lines first, your folds will be neat and crisp and easy to do. (The fold lines are thinner - and are not part of perimeter.)

- 2) If you want to color with pencils or markers, do it now. (Paint can be added later.)
- 3) Cut around the outside edges.
- 4) Fold on all fold lines.

5) Apply glue to glue flaps one at a time, and begin to assemble the icosahedron. Press and hold each flap until it is secure before you go on to the next flap. When you get down to the last flaps, it will be harder to get your fingers in to press. For the final flaps, don't bend them very much, so you don't need to press from the inside, and use thin, large rubber bands to apply some mild pressure, just enough to keep everything together.

5) Allow to dry for at least 15 minutes.

6) Surf the Internet using key words "icosahedron virus" or "adenovirus model" and get ideas for ways you can decorate your model. You could glue smaller knobs on it, using plastic beads or pieces of felt or colored paper.

#### TIPS:

- The model can also be spray painted.
- You will need hot glue to hold craft parts unless you can
- be patient and wait for each side to dry before flipping.
- Paper straws glue nicely. The ends can be snipped to make 5 tiny flaps that can be glued to each triangle tip.

• You don't have to put spikes on it if you don't want to. It doesn't have to be an adenovirus. It could be one of the other icosahedral types.

# ICOSCIEDRAL VIRUS

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PLEASE SPHER CIAL, even though the protein geometry is



TIP: Surf the Internet for decoration ideas. Use key words like "icosahedral virus model" or "symmetric virus structure"