

Building a Buckyball



Materials

- patterns for pentagons and hexagons (on this sheet)
- removable transparent tape
- scissors

Procedure

- 1 Cut out the pentagon and hexagon shapes.
- 2 Trace enough copies so that you have 12 pentagons and 20 hexagons.
- 3 Use transparent tape to attach the shapes together and build a model Buckyball. Each pentagon should be surrounded by 5 hexagons. Hexagons should be surrounded by three hexagons and three pentagons placed next to each other alternately.

- 4 When you are finished, try to create other types of three-dimensional shapes based on hexagons and pentagons.

