



# Virtual Chicken

## The Female Reproductive Tract

[www.virtualchicken.org](http://www.virtualchicken.org)

### Lab: Amazingly Strong

The curved shell evenly distributes pressure all around the shell rather than concentrating it at only one point.

#### Materials

- 1 raw egg
- 1 zipper-seal bag

#### Procedure

Place the egg in the bag, remove excess air and seal.

Place the egg in the palm of your hand, and close your hand so that your fingers are wrapped completely around the egg. Make sure you remove all jewelry or other items that could create undue areas of pressure.

Squeeze the egg by applying even pressure all the way around the egg. When properly performed, the egg will not break.



#### Thinking About It

The reason the egg will not break is because it is similar in shape to a 3-dimensional arch, which is one of the strongest architectural forms. By surrounding the egg with your hand it helps to evenly distribute the pressure.

