

NAME:		
DATE:		

EXPERIMENT INSPIRED BY

Poo Poo Panda Party

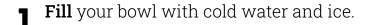
MATERIALS

- **¥** Large bowl **¥** Timer
- **¥** Water **¥** Ice cubes
- Vegetable Shortening 2
- **Rubber gloves**
- **▼** Plastic wrap



This simple experiment demonstrates how an animal's body fat helps keep them warm in cold temperatures.

EXPERIMENT WOW TO:



Put your bare hands into the bowl of ice water and measure how long you can keep them there.

3 Make a fist and put your fist into a rubber glove

4 Coat the gloved hand generously with shortening. Then cover it with plastic wrap. You probably need someone to help you with this step!

5 Drop the gloved, shortening covered hand into the ice water and measure how long you can keep it in there with the fat covering your hand.

Compare what it felt like with and without the shortening. This experiment mimics how blubber keeps animals warm in cold temperatures.

