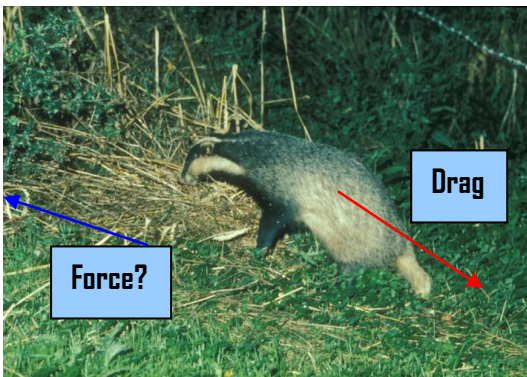


Badgery Science 18

You'd have to admit, with claws like these, you could certainly do some serious digging! And that's just what badgers do. Badgers live in holes in the ground, called setts. They dig out tunnels that lead to chambers where they sleep.



They usually bring hay, straw or other available plants, to make their beds.



All of this takes energy – and a lot of force! (Of course, the energy they need comes from the food they eat.)

Let's think about the forces that are used.

The badger wants to dig into the hillside this way.

What force is the badger working against when she drags the hay?

Draw an arrow on the picture to show the direction in which the soil is moved?

Our badger wants to dig a large stone out of the tunnel. Which force is working AGAINST the badger? (Apart from friction.)

When the badger runs across a field, which force is holding it back? Run \longrightarrow

\longleftarrow Force?