

Properties of Materials

hard

not easily
broken or
pierced



A hard diamond.

squashy

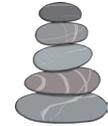
easily crushed
or squeezed



The play dough is squashy.

smooth

an even and
regular surface



Some smooth pebbles.

absorbent

able to soak
up liquid



The sponge is absorbent.

bumpy

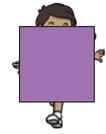
uneven, raised
patches



This shell is bumpy.

opaque

cannot be
seen through



She is hidden by the opaque screen.

dull

lacking shine
or brightness



The moth's wings are dull.

brittle

hard, but may
break easily



The glass is brittle.

translucent

allowing some
light to pass
through



The screen is translucent.

Properties of Materials

rigid

unable to be bent or forced out of shape



Stone is rigid.

transparent

can be seen through



This glass is transparent.

soft

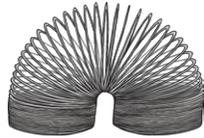
not firm to the touch



The kitten has soft fur.

flexible

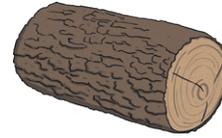
able to bend



A flexible spring.

rough

uneven, irregular surface



The log has rough bark.

waterproof

repels water and liquids



A waterproof coat.

elastic

springs back once stretched



An elastic band.

shiny

reflects light, smooth surface



A shiny silver spoon.

conductor

lets heat, electricity or sound to pass through it



Some metals are conductors of electricity.

Properties of Materials

electrical insulator

does not let
electricity pass
through it



Rubber is
an electrical
insulator.

electrical conductor

lets electricity
pass through it



Metal is an
electrical conductor

thermal insulator

does not let
heat pass
through it



Oven gloves are a
thermal insulator

thermal conductor

lets heat pass
through it



a radiator is a
thermal conductor