

## Properties of Materials



1. Match up the descriptions on the left-hand side with their opposites on the right.

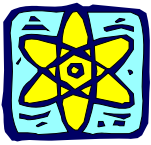
- |                        |                        |
|------------------------|------------------------|
| Hard •                 | • Dull                 |
| Rigid •                | • Absorbent            |
| Strong •               | • Electrical Insulator |
| Rough •                | • Opaque               |
| Shiny •                | • Smooth               |
| Brittle •              | • Flexible             |
| Transparent •          | • Thermal Insulator    |
| Waterproof •           | • Soft                 |
| Electrical Conductor • | • Weak                 |
| Thermal Conductor •    | • Tough                |

2. Identify the words from the lists above described here.

- Bendy \_\_\_\_\_
- Will shatter easily \_\_\_\_\_
- Will let light through \_\_\_\_\_
- Not very reflective \_\_\_\_\_

3. Use words from the lists to describe each of these materials

- Wood \_\_\_\_\_
- Glass \_\_\_\_\_
- Wool \_\_\_\_\_
- Aluminium foil \_\_\_\_\_
- Plastic \_\_\_\_\_
- Tissue \_\_\_\_\_
- Leather \_\_\_\_\_
- Paper \_\_\_\_\_
- Diamond \_\_\_\_\_



## Properties of Materials - Answers



1. Match up the descriptions on the left-hand side with their opposites on the right.

Hard	•—————•	Soft
Rigid	•	• Flexible
Strong	•	• Weak
Rough	•	• Smooth
Shiny	•	• Dull
Brittle	•	• Tough
Transparent	•	• Opaque
Waterproof	•	• Absorbent
Electrical Conductor	•	• Electrical Insulator
Thermal Conductor	•	• Thermal Insulator

2. Identify the words from the lists above described here.

- Bendy = *Flexible*
- Will shatter easily = *Brittle*
- Will let light through = *Transparent*
- Not very reflective = *Dull*

3. Use words from the lists to describe each of these materials

- Wood = *Hard. Rigid. Tough. Waterproof. Opaque. Insulator (both).*
- Glass = *Hard. Rigid. Smooth. Brittle. Waterproof. Transparent.*
- Wool = *Soft. Flexible. Absorbent. Opaque.*
- Aluminium foil = *Flexible. Smooth. Shiny. Conductor (both).*
- Plastic = *Hard. Rigid. Smooth. Tough. Waterproof. Insulator (both).*
- Tissue = *Soft. Flexible. Absorbent. Weak. Opaque.*
- Leather = *Soft. Flexible. Tough. Opaque.*
- Paper = *Flexible. Absorbent. Opaque.*
- Diamond = *Hard. Rigid. Shiny. Tough. Strong. Transparent.*