

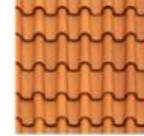
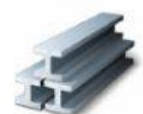
## Physical Properties of Materials Part 3

Review the video:



(<https://youtu.be/S0d0eIqaim8?t=231>)

1. Indicate the **OBJECTS** that are built during the video:

|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |    |    |
| BOAT                                                                                | SHIP                                                                                | FLOOR                                                                               | ROOF                                                                                 | GRILL                                                                                 |
|  |  |  |  |  |
| PILLARS                                                                             | LAMP                                                                                | BEAMS                                                                               | CHAIR                                                                                | TABLE                                                                                 |
|  |  |  |  |  |
| FORK                                                                                | WINDOWS                                                                             | TV                                                                                  | DIVING BOARD                                                                         | DOOR                                                                                  |

2. Indicate the **MATERIALS** that are used during the video:

|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| CERAMIC                                                                             | COPPER                                                                              | HARDWOOD                                                                            | METAL                                                                                | GLASS                                                                                 |
|  |  |  |  |  |
| CHALK                                                                               | GOLD                                                                                | SPONGE                                                                              | CONCRETE                                                                             | IRON                                                                                  |
|  |  |  |  |  |
| COTTON                                                                              | PLASTIC                                                                             | RUBBER                                                                              | SILK                                                                                 | STEEL                                                                                 |

3. Match properly the properties and definitions that are mentioned during the video.

|                                       |                                                                            |
|---------------------------------------|----------------------------------------------------------------------------|
| ABSORBENCY                            | The ability to float on water                                              |
| BUOYANCY<br><a href="#">/boiensi/</a> | Insulator for electricity - Does not readily allow transfer of electricity |
| ELECTRICAL CONDUCTIVITY               | The ability to absorb water                                                |
| FLEXIBILITY                           | The ability to allow electricity to pass through                           |
| HARDNESS                              | The ability to conduct heat.                                               |
| HEAT CONDUCTIVITY                     | The ability to withstand scratches                                         |
| ELECTRICAL <del>NO</del> CONDUCTIVITY | The ability to bend without breaking                                       |

4. Match properly the properties and definitions that are mentioned during the video.

|                                    |                                                |
|------------------------------------|------------------------------------------------|
| OPAQUE<br><a href="#">/oupeik/</a> | Allow SOME light to pass through               |
| STRENGTH                           | DOES NOT allow light to pass through           |
| TRANSLUCENT                        | The ability to allow light to pass through     |
| TRANSPARENCY                       | The ability to support a load without breaking |
| TRANSPARENT                        | Allows light to pass through                   |
| WATERPROOF                         | The ability to repel water                     |