

PROPERTIES OF MATTER (teacher's notes)

HARDNESS

About hardness:

- Hardness is the resistance of a solid to being dented or scratched.
- On Mohs Hardness Scale, which goes from 1 to 10, we found that talc is in the first position and diamond is in the tenth position.
- Diamond is the hardest natural solid and it can scratch other diamonds, for this reason diamonds are often used to cut. Graphite and diamond are two different forms of carbon, we use graphite in pencils.

Activity 1: Let's test hardness.

Remember that it would be a fair test if all these materials had exactly the same shape, for this reason if you can obtain the materials mentioned or different ones with the same shape it would be better.

C) The metal.

F) No. Just solids have this property.

G) Hardness is the resistant of a solid to being dented or scratched.