

Before you watch the video about seven most unique materials, get familiar with the vocabulary:

VOCABULARY

adhesive (adj) – lepki/przyczepny
bond(v) – wiązać/spoić
capacity (n) - zdolność
industrial (adj) - przemysłowy
insulate (v)- izolować
muddy (adj) - mętny
oxide (n) - tlenek
putty (n) - kit
repellent (n) –środek odstraszający/impregnant
silica (n)- krzemionka
wax (n) - воск

Watch the video at

https://www.youtube.com/watch?v=Mo1IDsESD90&ab_channel=TTIEnglish-Technology

and answer the questions.

Number 7

- 1)What is the hydrophobic surface based on?
- 2)What is the Lotus plant comprised of? Why is the plant special?
- 3) What is research in this field focused on?
- 4) What are advantages of this material?

Number 6

- 1)What is nitrogen triiodide?

Number 5

Complete the sentences:

- 1)Hydrogel is a gel polymer able to absorb water _____ to _____ times its own volume.
- 2)Thanks to its absorption capacity hydrogel is used in _____ and _____ as well as for medical purposes in _____.

Number 4

1)What is this material composed of?

2)What is its phenomenon?

Number 3

1)What makes this material turn into liquid?

2) How much is one kilogram of this metal?

Number 2

1) What is another term for this material instead of aerogel?

2)What are the characteristic properties of this material?

3)Where has it been used since 1960s?

4) It' used to detect _____ or harmful _____.

Number 1

1)Which things can only be engulfed by this material?

Which material you find the most amazing?

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