



Views on nanotechnologies

Welcome!

Thank you very much for spending a few minutes to take part in this survey. The aim is to understand European citizens' knowledge and opinions on nanotechnology.

Before we get started, let us define nanotechnologies:

"Nano" means a "billionth". A nanometre is very tiny and is one billionth of a metre or one millionth of a millimetre. The nano-world is therefore the world of atoms and molecules. When we talk about nanotechnologies we simply mean structures and systems that work at the nanometre scale.

You do not need any prior knowledge apart from that for this questionnaire.

The survey is conducted by the European research project NanOpinion and all data are anonymized and treated as strictly confidential!

Nanotechnologies might be new to you or sound familiar. How is it for you?

1. To which extent have you already heard about nanotechnologies?
nothing at all

0 1 2 3 4 5 6 7 8 9 10
a lot

If 0 or 1, continue with question 2

1.1. How informed do you think you are about nanotechnology?
not at all informed

0 1 2 3 4 5 6 7 8 9 10
very well informed



1.2. To which extent have you already formed an opinion about nanotechnologies?

not at all

0 1 2 3 4 5 6 7 8 9 10

absolutely

If 0 or 1, continue with question 2

1.3. How much do you support the use of nanotechnologies?

not at all

0 1 2 3 4 5 6 7 8 9 10

a lot

1.4. How confident do you feel in your opinion on nanotechnologies?

not at all

0 1 2 3 4 5 6 7 8 9 10

a lot

What do you already know about nanotechnologies?

2. Nano particles are visible with X-rays.

- true false don't know

3. Nanotechnology allows scientists to arrange molecules.

- true false don't know

4. A nanometer is about the width of a human hair.

- true false don't know

5. Nanoparticles do not occur in nature.

- true false don't know

6. Nanoproducts have been on the market for several years already.

- true false don't know

Let's move on to something more practical.

You will now look at some products that can be developed using nanotechnologies.

Please read through the examples and give us your opinion on them.



<p>Product 1: Nano Sunscreen: transparent, thin in consistency and very effective preventing sunburn</p>		<p><i>A sunscreen that contains nanoparticles that block harmful sunrays. Conventional high-protection sunscreens (SF30+) contain larger particles of the same substance for sun protection and the cream appears white and thick. When using nanoparticles the sunscreen is transparent, but still blocks UVA and UVB rays.</i></p>
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7. Disregarding the price, how likely would you be to buy this product?

Very unlikely



<p>Product 2: Nano T-Shirts: repel stains, absorb odour and stay dry even during sweaty exercise.</p>		<p>T-shirts with enhanced fabrics based on nanotechnologies – tiny molecules are permanently attached to the fibres. They perform well without compromising the look, feeling, durability or comfort of the fabric. The shirts can absorb bad smells, stay dry even during heavy exercise or totally repel staining.</p>
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8. Disregarding the price, how likely would you be to buy this product?

Very unlikely



<p>Product 3: Nano-food packages: One day we may have smart food packages that will detect food spoilage, visually alert us to the status of foods, and even inform retailers.</p>		<p>A package with embedded nanoparticles could change colour when there is food spoilage. They could also contain a radio tag, to enable tracking the package from production to the consumer, communicate to the retailer the status of the food it contains and tell its location.</p>
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9. Disregarding the price, how likely would you be to buy this product?

Very unlikely



very likely

10. Do you feel you would need more information on nano products to form your opinion?

not at all



very much

11. These days there are many discussions on product labelling to inform consumers about what they are buying. Please see the following statements and choose the option most applicable for you:

- There is no need for labelling. Consumers want to rely on an authority giving a quality check, as they do not have enough time and knowledge to read technical information.
- Consumers have the right to know if a product contains nanotechnologies, and it should be written on the label.
- Products should be labelled and there should be a link to a website where a consumer could learn all pros and cons of the nanotechnologies used in the product, including safety information.
- Yes to labelling and links to information, and there should be an authority that checks and gives quality stamps.
- No opinion yet



Now that we have explored some practical issues please give us your opinion on some statements regarding science in general.

Please click on the bar below between the following pairs of opposed statements:

12. Science....

overcomes problems



creates new problems

Don't know

13. New technologies ...

might have
unexplored health risks



are only allowed into use
after sufficiently testing

Don't know

14. Scientists ...

should have the freedom
to do what they think is best



should follow
strict regulations

Don't know



There are many ways of getting information or discussing science and technology.

15. With regards the following sources of information - how much attention do you pay to science and technology topics?

Consider a scale from 0 to 10, where 0 means lowest attention and 10 means highest attention.

<i>Source of information</i>	<i>Science & Technology</i>											<i>Don't use this media at the moment</i>
	<i>0</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	
<i>Television</i>												
<i>Newspapers and print media</i>												
<i>Internet and social media</i>												
<i>Radio</i>												

16. How important are the following sources of information for you in forming an opinion about nanotechnologies? Consider a scale from 0 to 10, where 0 means lowest importance and 10 means highest importance.

	Not important at all						very important					
	0	1	2	3	4	5	6	7	8	9	10	
Scientific news in various media												
Discussions about science topics with friends and family												
Statements of public figures												
Specific consumer information on certain products or applications												
Discussions about science topics with co-workers												



Now we come to the last part of the survey. Please fill in your personal data.

17. What is your year of birth?

18. Are you....

- Female Male

19. What is your country of residence?

20. Which of the following best describes your situation? Are you currently...?

- full time employed
- part time employed
- self employed
- in education
- unemployed
- permanently sick or disabled
- retired
- military service or similar community service
- doing unpaid work, caregiving
- (other)
- don't know

21. Which of the following levels of education have you completed?

- Primary Schools / Nursery Schools / Voluntary Settings / Private Setting
- Secondary Schools (11-14years)
- Secondary Schools / Further Education Institutions
- Access courses, Further/Higher Education Institutions, Higher/Further Education Institutions
- Higher/Further Education Institutions, PhD
- don't know

22. Where did you find this survey?

- School
- A NanOpinion mobile station
- A NanOpinion streetlab/live event
- Social media
- Surfing the internet
- Visiting the NanOpinion portal
- Media websites

Thank you for your participation!!



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