

Oral exam

Physics, summer 2020/21

1. How does the heat spread?
2. Are all metals magnetic? What kind of magnetic properties can they have?
3. There is no valid reference frame in which light is at rest. Please explain the sentence using Einstein's theory of Special Relativity.
4. How is chemistry related to physics? Give some examples.
5. What are light waves?
6. Why does a magnetic compass point to the Geographic North Pole?
7. Is it true that lightning cannot strike the same place twice?
8. Do I weigh less on the equator than at the North Pole?
9. What is the color of the sun? How does it depend on its radiation?
10. What makes guns so dangerous?

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