



Captains are invited to the stage.

Chairperson reads the tasks aloud and gives out this sheet to each Captain.

The time to solve all problems is **5 minutes**.

Points for any problem can be either **0** (invalid, absent, incomplete, unintelligible or wrong answer) or **1** (correct answer).

All answers and number of points are public.

The winner is determined by the maximum number of correct answers.

In case of a tie, an extra Problem 6 is offered, and the Captain with the best answer gets an extra 1 point.

The sheets with answers and names of Captains are then submitted to the Scoring Commission for archiving.

All scores (including an extra point in a tie breaker) and the winner are recorded in Science Fight Protocol.

10th IYNT 2022: Captain's Contest for Finals

Team _____ Captain's name _____ Group _____

Problem	Answer	Points (0 or 1) filled by Chairperson
1. Which element has higher atomic number: Carbon or Krypton?		
2. Write down the chemical formula of sodium orthophosphate.		
3. Arrange these mammals by increasing body weight: Syrian hamster (<i>Mesocricetus auratus</i>), Indian elephant (<i>Elephas maximus indicus</i>), Chimpanzee (<i>Pan troglodytes</i>), Western gorilla (<i>Gorilla gorilla</i>).		
4. Arrange these metals by increasing melting point: iron (Fe), lead (Pb), mercury (Hg), tungsten (W).		
5. Which of these square numbers also happens to be the sum of two smaller square numbers: 16, 25, 36, 49?		

Do not answer the question below unless a tie breaker is announced

6. A dataset called Central England Temperature is the world's longest series of measured air temperatures. Estimate the first year in the dataset.		
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