



PHYSICS

BOOKS - BAL BHARTI

OBSERVING SPACE: TELESCOPES

Exercises Fill In The Blanks With The Proper Words

1. Choose the correct alternative and write it along with its allotted alphabet.

The wavelength of visible light is between.....
to.....



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2. Choose the correct alternative and write it along with its allotted alphabet.

GMRT is used for.....waves.

A. electric

B. radio

C. magnetic

D. none of the above



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3. Choose the correct alternative and write it along with its allotted alphabet.

A certain X-ray telescope is named after scientist....

A. Subramanian Chandrasekhar

B. Homi Sarabhai

C. Vikram Sarabhai

D. Jayant Narlikar



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4. Choose the correct alternative and write it along with its allotted alphabet.

The first scientist to use a telescope for space observation was.....

A. Newton

B. Arkimedi

C. Galileo

D. Lamarck



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5. Choose the correct alternative and write it along with its allotted alphabet.

The biggest optical telescope in India is situated at....

- A. Pune
- B. Nainital
- C. Dehradun
- D. Solapur



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'A' Groups

- (i) X-rays
- (ii) Optical Telescope
- (iii) Indian radio telescope
- (iv) Launching

'B' Groups

- (a) GMRT
- (b) ISRO
- (c) Hubble
- (d) Chandra

1. artificial satellites



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Exercises

1. Answer the following question:

What are the difficulties in using ground

based optical telescope? How are they overcome?



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2. Diagram based question:

Which type of telescopes can be made using a concave mirror, convex mirror, plane mirror and a lens? Draw diagrams of these telescopes.



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3. Explain the construction of Galileo's telescope.



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4. Answer the following question:

Explain the construction of a radio telescope.



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5. Answer the following question:

Why are optical telescopes located in uninhabited places on mountains?



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6. Answer the following question:

Why can an X-ray telescope not be based on the earth?



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