

Worksheet

Blow Hot, Blow Cold

Very short answer questions

I. Choose the correct answer to fill in the blanks.

colder, water vapour, warm, air, stethoscope, Dr. Jakir Hussain, downwards, warm, upwards, hot, cold, warm

- a) _____ air is light and rises up.**
- b) _____ air is heavy and comes down.**
- c) Our breath is _____ than hot tea and hence we blow air to cool tea.**
- d) We _____ our hands in winter by blowing on them, when they are cold.**
- e) The air blown from our mouth is _____ in a cold winter.**
- f) The air we breathe out contains _____ which turns into drops of water when comes in contact with a cold surface.**
- g) The wood cutter kept blowing into his hands while cutting the wood because to _____ them.**
- h) A popcorn seller fans the burning coal to increase the _____ supply.**
- i) We use a _____ to listen to the sound of a heartbeat.**
- j) Whenever the air flows _____ the paper snake will move in a clockwise direction.**
- k) When the air flows _____ the paper snake will move in the anticlockwise direction.**
- l) The story Blow Hot, Blow Cold was written by _____.**

Ans.

- a) Hot**
- b) Cold**
- c) Colder**
- d) Warm**
- e) Warm**

- f) Water vapour
- g) Warm
- h) Air
- i) Stethoscope
- j) Downwards
- k) Upwards
- l) Dr. Jakir Hussain

II. Tick (✓) the correct answer.

a) Suppose you are given hot khichdi to eat. How will cool down without blowing air from your mouth?

- i) By mixing cold water into it. ()
- ii) By spreading it over the plate. ()
- iii) By putting ice cubes into it. ()
- iv) By spreading it over our palm. ()

b) Suppose you bang your head while playing and your forehead is swollen, a warmed handkerchief if put over it gives relief. Why is it so?

- i) Warm air kills germs on the injury. ()
- ii) Handkerchief has medicine on it. ()
- iii) Warm air soothes the skin giving relief. ()
- iv) It is done to please children. ()

c) Some musical instruments are given below. Tick the instrument that we blow air into produce sound.

a)



b)



c)



d)



Ans.

a) Suppose you are given hot khichdi to eat. How will cool down without blowing air from your mouth?

ii) By spreading it over the plate.

b) Suppose you bang your head while playing and your forehead is swollen, a warmed handkerchief if put over it gives relief. Why is it so?

iii) Warm air soothes the skin giving relief.

c) Some musical instruments are given below. Tick the instrument that we blow air into produce sound.

- a) Sitar
- b) Tabla
- c) Shehnai
- d) Drums

III. 1 Mark questions. (Short answer questions)

a) How does your breath help to warm your cold hands in winter?

b) Why do we blow at a burning fire?

c) Name any two musical instruments we blow air into produce sound.

d) Why do we blow on hot potatoes?

Ans.

- a) Because your breath is hotter than your skin.
- b) Because air contains Oxygen which helps in the burning and loud blow can extinguish
- c) fire.
- d) Flute and Been
- e) When we blow air on hot potatoes then water molecules escaped into the air because they got enough energy and they change from liquid to a gaseous position.

IV. 2 Mark questions. (Long answer questions)

a) Why do people blow air on their spectacles before cleaning them?

b) Why do we see drops of water on your bathroom mirror, when you take a hot shower in winter?

Ans.

- a) The air blown from the mouth is hot and the glass of the spectacles is comparatively colder. The hot air we breathe out contains water vapours which turns into tiny droplets of water when it comes in contact with the colder glass. This makes the glass moist and hazy.
- b) During winter, the mirror in the bathroom absorbs the cold air from its environment and makes itself very cold. When a hot shower is taken, the water vapour from the hot water gets in contact with the cold surface of the mirror and condenses to form water droplets.