

### 3.2 The night I met Einstein

#### WARMING UP!

1. With your bench-mate prepare a profile of Albert Einstein:

**ALBERT EINSTEIN**

**Ans. Profession:** Scientist

**Field of Science:** Theoretical Physics

**World famous theory proposed:** Theory of Relativity

**Awards:** Nobel Prize in Physics (1921), Copley Medal by the Royal Society (1925), Gold Medal of the Royal Astronomical Society (1926), Max Planck medal of the German Physical Society (1929), Prix Jules Janssen (1931)

**Disability in childhood:** Dyslexia (Asperger's Syndrome, Autism)

**Books written:** The World as I see it: Relativity: The Special and the General Theory: The Evolution of Physics: The Meaning of Relativity: Einstein's Essays in Science; Einstein on Peace: Why

War?: Essays in Humanism

2. Look at the pictures of musical instruments and write their names: what the player of the instrument is called and a famous player of the instrument

**Ans.**

Instrument	Name of the Instrument	One who plays the instrument
	<u>Tabla</u>	<u>Tabalahti/Tabla player</u>
	<u>Shehnai</u>	<u>Shehnai-vaadak</u>
	<u>Piano</u>	<u>Pianist</u>
	<u>Drum</u>	<u>Drummer</u>
	<u>Violin</u>	<u>Violinist</u>
	<u>Sitar</u>	<u>Sitarist</u>
	<u>Trumpet</u>	<u>Trumpeteer</u>

(Chart is continued here)



<b>Famous player</b>
<u>Zakir Hussain</u>
<u>Ustad Bismillah Khan</u>
<u>Anil Srinivasan, Ludwig van Beethoven,</u> <u>Frederick Chopin, Franz Liszt</u>
<u>Sivamani, Ringo Starr, Lars Ulrich,</u> <u>Travis Barker, Max Weinberg, Mick</u> <u>Fleetwood</u>
<u>Niccolo Paganini, Yehudi Menuhin,</u> <u>Joshua Bell, Karthik Iyer, M. S.</u> <u>Gopalakrishnan,</u>
<u>Ravi Shankar, Vilayat Khan, Nikhil</u> <u>Banerjee, Anoushka Shankar</u>

Louis Armstrong, Miles Davis, Fats  
Navarro, James Morrison, Phil Driscoll,  
George Banks, Kishore Sodha

**3. Separate the words in the columns they belong to:**  
(chorus, ballet, melody, swar, kathak, raga, salsa, symphony, mudra, serenade, choreography, tune, audience, tango, allegro, duet, odissi, choir, concert, performance, hip-hop)

<b>Music</b>	<b>Common to both</b>
chorus	arts
melody	salsa
swar	audience
raga	concert
symphony	performance
serenade	Common to both
tune	arts
allegro	salsa
duet	audience
choir	concert

*(Table is continued here)*

<b>Dance</b>
ballet

kathak
mudra
tango
odissi
hip-hop
choreography
Dance
ballet
kathak

## English workshop

### (1) Complete the following sentences:

(a) The narrator was not happy about the concert because he did not understand classical music.

(b) When the narrator turned to look his neighbour he saw a very famous face with a shock of white hairs and a pipe.

(c) The entertainment arranged for by the hostess was a concert where everyone would listen to a very good pianist.

### 2. Who said to whom?

Statement	Who
"We are going to listen to a very good pianist."	The hostless
"I do not know anything about Bach."	The narrator/writer
"You are not tone-deaf."	Albert Einstein
"Just allow yourself to listen that's all there is to it?"	Einstein

(Table is continued here)

To whom	Effect on the listener
The narrator	Not very happy
Albert Einstein	The listener looked surprised.
The narrator/writer	The listener tried to justify himself.
The narrator	The listener was able to appreciate the concert and clap sincerely.

### 3. List all the words from the story related to Music'.

**Ans.** Concert, pianist, classical music, tone-deaf, piece. Bach, Gramophone, song, tune, Bing Crosby, voice, John MacCormac, The Trumpeteer.

### 4. Rewrite the following sentences inserting the appropriate phrases in their proper form.

(to get out of, to come up, to turn on, to give in, to get into, to come down to d work out, to turn off, to give off, to give out, to work in)

- (a) He **Got** out of bed and **got** into the living room, to see if the door was closed.  
(b) To enjoy the music and relax, he **turned on** the music and **turned off** and the lights.  
(c) Smita **gave in** to her desire and **gave off** her favourite toys to the poor it.  
(d) You should **work in** Mathematics so that you can **work out** problem.

### 5. (A) Give two points of difference between

Instrumental Music	Vocal Music
1) Instruments are used.	The voice (vocal chords) are used.
2) Some part of the body is used as a medium to produce the sound, but the final sound is produced by the instrument.	Some parts of the body aid the production of sound (e.g., the stomach, lungs, vocal tract, mouth, etc.), but the final sound emerges through the mouth.
3) The output of the instrument is more or less of the same type, although the way the musician plays can give it an individualistic flavour.	Individual voices vary from the very low bass to the very high tenor. Hence the output varies and is very individualistic.
4) An instrument can hardly be expected to sound like a voice (although some musicians try).	The voice can be used to imitate the sound of an instrument.

### B.

Classical music	Folk music
(1) Based on discipline	(1) Comes from the heart
(2) Strict rules of rhythm and patterns.	(2) Voices popular emotions
	(3) No rules

(Table is continued here)

Light music
(1) Pleasant to hear
(2) Does not demand any great emotion or effort from the listener
(3) Could be from any genre.

### 6. Prepare a word list of occupations in alphabetical order from the letters A up to T. (You may skip 'K' and 'Q'.)



**Ans.** Actor, banker, carpenter, driver, engineer, farmer, Geologist, haberdasher, inspection, jockey, keyboardist, labourer, musician, neurosurgeon, optician, painter, quarryworker, radiologist, singer, tailor, upholsterer, vendor, waiter, zoologist

**7. Rewrite the following in indirect narration.**

**(a) "You are not tone-deaf", he said to me.**

**Ans.** He told me that I was not tone-deaf.

**(b) "Could you have done it?", said Einstein.**

**Ans.** Einstein asked me whether I could have done it.

**(c) "Sing that back", he ordered me.**

**Ans.** He ordered me to sing that back.

**(d) He said, What kind of music do you like?**

**Ans.** He asked me what kind of music I liked.

**(e) "I'm so sorry, Dr. Einstein", she said.**

**Ans.** She apologized/told Dr. Einstein that she was so sorry.

**8. (A) Degrees of (positive/ Comparison Comparative/Superlative): Insert the appropriate expressions, choosing from those given after each sentence, for the positive degree:**

(1) I am not as tall as my friend. (taller than/more taller/as tall as)

(2) They are as helpful as neighbours. (as helpful as/most helpful/more helpful)

(3) No other desert in Africa is nearly as big as the Sahara Desert. (biggest of all/nearly as big as/bigger as)

(4) Very few animals in the wild are exactly as huge as an elephant. (exactly huger than/exactly as huge as/huger than),

(5) Some snacks are at least as tasty as a pizza. (at least as tasty as/tastier as/most tasty as)

**B. Change the Degree of Comparison as directed and rewrite without changing the meaning:**

**(1) No one in class is as brilliant as Tanvi. (Superlative)**

**Ans.** Tanvi is the most brilliant in class.

**(2) A diamond is one of the most precious of all stones. (Comparative)**

**Ans.** A diamond is more precious than any other stone.

**(3) Her handwriting is better than that of her sister. (Positive)**

**Ans.** Her sisters handwriting is not as good as hers.

**(4) Jupiter is the largest of all planets (Comparative)**

**Ans.** Jupiter is larger than all the other planets.

**(5) He is not the greatest of all leaders. (Positive)**

**Ans.** He is not as great as some of the other leaders

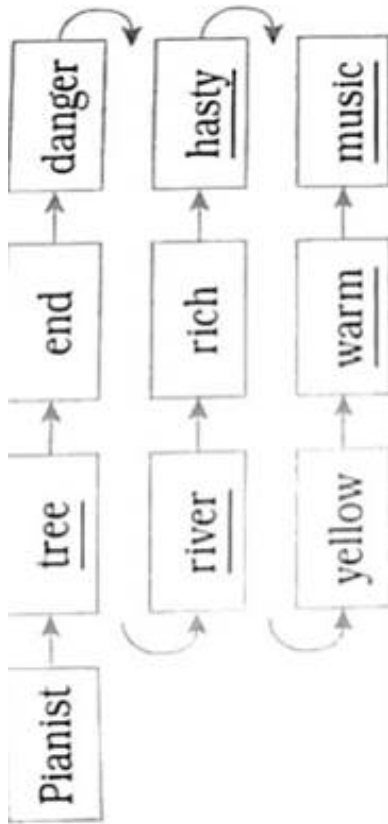


**(6) This painting is better than any other painting in the palace. (Superlative)**

**Ans.** This is the best painting in the palace.

**9. Prepare a word chain.**

**Ans.** (Rotate your phone)



**10. Pick out words that refer to the following:**

**(1) A musical performance in public.**

**Ans.** Concert

**(2) A lady who invites and looks after guests**

**Ans.** Hostes

**(3) A device used to play recorded music.**

**Ans.** Gramophone

**(4) One who is poor at deciphering musical notes.**

**Ans.** Tone deaf

**(5) Boundaries or limits of a field.**

**Ans.** Frontiers

**11. Music is the medicine of the mind'. Narrate an experience that leads to the above conclusion, Write it in your own words in your notebook.**

**Ans.** Music is the medicine of the mind.

Music is good therapy. It is particularly effective because it registers on multiple sites of

the brain. This means that even if the brain is very badly affected by a stroke or illness, there are still parts of the brain that recognise music

I remember how upset all of us were when grandfather suffered a stroke. The left side of his body and almost all of his face were affected. The once great and active grandpa now lay still on the bed and had to be fed through a tube going down his nostrils. Little Rani could not stop weeping

Grandfather had once presented me with mobile phone. He knew my love for music and had told me I could download my favourite songs and create a playlist and hear them whenever I wanted to. I would sit by grandfather's bed whenever I was at home and had finished my studies and play the songs and listen to them.

One evening to my surprise. I saw a shadow of a smile beginning to appear on grandpa's face. At first I couldn't believe it. Then it became more definite and prominent. Grandpa was actually smiling!

I called mom and dad and Rani and everyone to see. Yes, grandpa was indeed smiling. The music had reached out to him and had drawn out a response from him.

That was one of the happiest moments during his illness.

**12. You will come across many famous personalities a in the story. Go to the library or search the internet for the following names and write a few lines about the personalities given below.**

**(a) Albert Einstein**

**(b) Johann S. Bach**

**(c) Bing Crosby**

**d) John McCormack**

**Ans. Student do it you own**

**13. Imagine you are the monitor of the class. You are asked to conduct an interview of a famous scientist who is in your city/village. Frame 8 to 10 questions with the help of the following points.**

**(1) Early life and education**

**(2) Interest for this particular field**

**(3) Any inspirational incident that occurred in his/her life**

**(4) Guru or mentor**

**(5) Inventions and awards**

**(6) Future plans**

**(7) Advice/Appeal to youngsters**

**Ans. Interview questions to be asked to the scientist:**

(1) Good morning, Sir. I am privileged to interview an eminent scientist like you. Sir, could you tell me about your early life and education?

(2) Apart from science were there any other subjects that interested you in school or college?

(3) Is there any specific incident you can mention that inspired you to go ahead and achieve greatness?

(4) Who would you say was your Guru or mentor?

(5) Sir, could you give us a brief idea about your inventions?

(6) Which awards have you received?



(7) Sir, what are your future plans?

(8) What advice do you have for the youngsters of today?

**13. Divide the class into four groups. Collect pictures or draw images of various musical instruments of the following categories:**

**(a) Stringed instruments (Guitar)**

**(b) Wind instruments (Flute)**

**(c) Percussion instruments (Tabla)**

**(d) Solid metal instruments (Cymbals)**

**Paste and decorate pictures on separate sheets of paper. Give proper headings and names. Compile into a file with a cover and suitable file-title.**

**Ans.** *(Students attempt this in their notebooks.)*

