



हरि विद्या भवन  
विषय - हिन्दी  
सामान्य निर्देश

- (1) प्रस्तुत कार्य अपनी हिन्दी व्याकरण की पुस्तिका में करिए तथा किसी अन्य कॉपी में किया गया कार्य स्वीकार नहीं किया जाएगा।
- (2) सभी विद्यार्थियों को इकाई परीक्षा के लिए प्रस्तुत कार्य को पूर्ण करना अनिवार्य है।
- (3) वर्कशीट में दिए गए कार्य को ध्यानपूर्वक पढ़े फिर उसे अपनी कार्य-पुस्तिका में करें।
- (4) सभी विद्यार्थियों को पाठ को पढ़ने और समझने के लिए किताब की आवश्यकता पड़ेगी अतः सभी विद्यार्थियों को किताब लेना अनिवार्य है।
- (5) वर्कशीट से सम्बन्धित समस्या पूछने के लिए आप अपने कक्षा ग्रुप पर सुबह 10 बजे से 12 बजे तक तथा शाम 4 बजे से 6 बजे तक मौजूद कर सकते हैं।

## हरि विद्या भवन

कक्षा - नौवीं

विषय - हिन्दी

वर्कशीट - 19

(व्याकरण)

सामान्य निर्देश : यह कार्य आप अपनी व्याकरण की कॉपी में करें।

### संधि

'संधि' संस्कृत भाषा का शब्द है जिसका अर्थ है - 'मेल'। दो शब्द अथवा पद जब एक-दूसरे के समीप होते हैं, तो उच्चारण की सुविधा के लिए प्रथम शब्द के अंतिम और द्वितीय शब्द के आरंभिक वर्ण या अक्षर एक-दूसरे से मिला दिए जाते हैं। इस मेल से शब्द के रूप में विकार उत्पन्न हो जाता है। इसी विकारजन्य मेल का नाम संधि है। अतः दो वर्णों के मेल से होने वाले परिवर्तन को 'संधि' कहते हैं।

जैसे भोजन + आलय = भोजनालय

महा + आत्मा = महात्मा

### सन्धि-विच्छेद

विच्छेद का अर्थ है अलग करना। संधि के नियमों द्वारा मिले वर्णों को फिर उनकी पहली अवस्था में लाने को संधि-विच्छेद कहते हैं।

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जैसे: → सान्ध्य - विच्छेद

शब्द



मानूद्य = मानु + उद्य

स्वागत = सु + आगत

गणेश = गण + ईश

क्रियाकलाप

प्रश्न=1 निम्नलिखित शब्दों में संधि-विच्छेद कीजिए-

(i) सौम्य

(ii) नाविक

(iii) वृक्षारोपण

(iv) रत्नाकर

(v) महोत्सव

प्रश्न=2 निम्नलिखित शब्दों में संधि कीजिए-

(i) सदा + स्व

(ii) लोक + आचार

(iii) सम् + योग

(iv) परम + अणु

(v) सीमा + अंत

**HARI VIDYA BHAWAN**  
**Worksheet - 19**  
**Class- IX**  
**Subject- Science**  
**Session- 2020-21**  
**Ch- 11 Work and Energy**

**Date-04/07/2020**

**Instructions to be followed:**

- From now onwards students do your worksheet in your particular subject notebook respectively. Don't use rough sheets, old copies or anything else. All the stationary shops have already opened. So, you can purchase it.
- All the student must complete their worksheets as Periodic test marks will be given to those who completes it else you will have to go through pen paper test after the school reopens.
- Read each and every topic (which will be given in worksheets) of the chapters from NCERT Books.
- All the students must purchase NCERT books as it will help you to understand the chapter.
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**Potential energy-** Energy possesses by an object by the virtue of its position or change in shape, is known as potential energy.

$$\text{Potential energy (Ep)} = m \times g \times h$$

Where m = mass of the object

g = acceleration due to gravity

h = height

**Exemplar Problem:-** If acceleration due to gravity is  $10 \text{ m/s}^2$ , what will be the potential energy of a body of mass 1kg kept at a height of 5 m?

**Solution:-**  $m = 1\text{kg}$ ,  $g = 10 \text{ m/s}^2$ ,  $h = 5 \text{ m}$ ,  $E_p = ?$

$$E_p = mgh$$

$$E_p = 1 \times 10 \times 5$$

$$E_p = 50 \text{ J.}$$

**Relation between work done and potential energy:-**

$$\text{Work done} = \text{Force} \times \text{displacement}$$

$$\text{Work done} = F \times s = m \times g \times s \quad (F = m \times g)$$

$$\text{Work done} = \text{Potential energy}$$

**Law of conservation of energy-** "Energy cannot be created and nor be destroyed, it can transform only from one form to another."

When an object freely falls under the gravity then energy remains constant at every point. Thus it follows the law of conservation of energy.

**Kinetic energy + Potential energy = Constant**

$$\frac{1}{2} mv^2 + mgh = \text{constant}$$

**Energy transformation:-** Energy can be transform in different forms like kinetic energy of water and wind energy in electrical energy.

**Different forms of Energy-**

1. Kinetic energy
2. Potential energy
3. Solar energy
4. Chemical energy
5. Muscular energy
6. Heat energy
7. Electrical energy
8. Wind energy

**Power-** The rate of doing work is called power. Its SI unit is Watt.

$$\text{Power} = \frac{\text{Work done}}{\text{Time taken}}$$

One joule work is done in one second is called one watt.

$$1 \text{ Watt} = \frac{1 \text{ joule}}{1 \text{ second}}$$

$$\text{Average Power} = \frac{\text{Total work done (total energy consumed)}}{\text{Total time taken}}$$

**Exemplar Problem:-** A body does 20 joules of work in 5 seconds. What is its power?

**Solution:-**  $W = 20$  joules,  $t = 5$  seconds,  $P = ?$

$$P = W/t$$

$$P = 20/5 = 4 \text{ W.}$$

**Commercial unit of energy:-** Commercial unit of energy is kilowatt-hour, which is written as kWh.

$$1 \text{ Kilo Watt hour} = 1\text{KWh}$$

**Relation between SI unit and commercial unit of energy:-**

$$1 \text{ KWh} = 3.6 \times 10^6 \text{ Joule.}$$

**Answer the following questions:**

**Q.1** A battery lights a bulb. Describe the energy changes involved in the process.

**Q.2** The potential energy of a freely falling object decreases progressively. Does this violate the law of conservation of energy? Why?

**Q.3** What are the various energy transformations that occur when you are riding a bicycle?

**Q.4** Does the transfer of energy take place when you push a huge rock with all your force and fail to move it? Where is the energy you spend going?

**Q.5** A certain household has consumed 250 units of energy during a month. How much energy is this in joules?

- Q.6 An object of mass 40 kg is raised to a height of 5 m above the ground. What is its potential energy? If the object is allowed to fall, find its kinetic energy when it is half way down ( $g = 10 \text{ m/s}^2$ ).
- Q.7 What is the work done by the force of gravity on a satellite moving round the earth? Justify your answer.
- Q.8 A person holds a bundle of hay over his head for 30 minutes and gets tired. Has he done some work or not? Justify your answer.
- Q.9 An electric heater is rated 1500 W. How much energy does it use in 10 hours?
- Q.10 An object of mass 'm' is moving with a constant velocity 'v'. How much work should be done on the object in order to bring the object to rest?
- Q.11 Calculate the work required to be done to stop a car of 1500 kg moving at a velocity of 60 km/h?
- Q.12 Soni says that the acceleration in an object could be zero even when several forces are acting on it. Do you agree with her? Why?
- Q.13 Find the energy in kWh consumed in 10 hours by four devices of power 500 W each.
- Q.14 A freely falling object eventually stops on reaching the ground. What happens to its kinetic energy?

#### Note-

- Above questions are given from NCERT blue box and exercise question. For solution check the NCERT solution app.
- Click over the link to understand Potential energy:  
<https://youtu.be/CISslw2gv7A>
- Click over the link to understand power:  
<https://youtu.be/RpbxIG5HTf4>
- Click over the link to understand Law of conservation of energy:  
<https://youtu.be/s409AG5dZ28>
- Click over the link to understand Energy transformations:  
<https://youtu.be/g2v222rnEtY>  
<https://youtu.be/jkqcfswRXy8>

# HARI VIDYA BHAWAN

**Subject: English**

**Class-X**

**Work sheet-21**

**Chapter-5 The hundred dress-Part -1 (First flight)**

**DATE:- 04/07/2020,**

***Instructions to be followed:-***

- 1. From now onwards students do your worksheets in your particular subject notebook respectively. Don't use rough sheets, old copies or anything else. All the stationary shops have already opened. So you can purchase it.***
- 2. All the students must complete their worksheets as periodic test marks will be given to those who completes it else you will have to go through pen paper test after the school reopens.***
- 3. Read each and every topic (which will be given in worksheets) of the chapters from NCERT books.***
- 4. All the students must purchase NCERT books as it will help you to understand the chapters.***
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**Chapter-5 The Hundred Dress-Short and Long Questions with their Answers**

## **Short Answer Type Questions**

### **Question 1.**

Describe the reaction of Wanda Petronski to Peggy and Maddie.

#### **Answer:**

When Peggy and Maddie made fun of Wanda Petronski, she did not speak to them and remained serious. As she had no American friend she walked alone with dull eyes and hitched her shoulders in a funny way.

**Question 2.**

Why did Maddie write a note to Peggy and then tore it?

**Answer:**

Maddie wrote a note to Peggy to stop making fun of Wanda. But she tore it because she thought that it could annoy Peggy and she would make fun of her instead.

**Question 3.**

Explain two dresses of Wanda Petronski in brief.

**Answer:**

Each dress of Wanda was different from other as one of the dresses was in a brilliant jungle green colour and other was red sash. Actually each of them were beautiful enough to win the competition individually.

**Question 4.**

What kind of a girl was Peggy?

**Answer:**

Peggy was the most attractive and intelligent girl. She was very sentimental. She couldn't bear an animal to be hurt and protected small children from bullies, but towards Wanda, she had a different attitude.

**Question 5.**

What was the competition about in the school?

**Answer:**

There was a drawing competition in the school. In the competition all boys had to draw a motorboat and all girls had to make sketches of a dress.

**Question 6.**

Who won the drawing competition in each category? What had they drawn?

**Answer:**

Jack Beggles who drew a motor boat won in the boys category and Wanda Petronski who drew hundred different dresses won the girls medal in the drawing competition.

**Question 7.**

How does everyone in the class react to Wanda's drawing?

**Answer:**

Everyone clapped after having a look of Wanda's drawing. Even the boys who were not interested in drawing applauded and whistled at the jaw-dropping sketches that Wanda had made of the hundred dresses she claimed to have.

### Long Answer (Value Based) Type Questions

**Question 1.**

Pen down the character sketch of Wanda Petronski.

**Answer:**

Wanda Petronski is a Polish girl who has shifted in America from Poland with her parents. She is very poor and lives up on Baggins Heights. She is very shy and quiet. She does not talk to anyone. She has no friends and sits in the last row of the class with some naughty boys

so that nobody notices her. She wears the same faded blue dress everyday which is not ironed but clean.

Everybody teases her in her class. In anger, she claims of having a hundred dresses and sixty pair of shoes at home. She- is very determined and shows her determination in the drawing competition by displaying the hundred sketches of dresses she claims to own. Each of them was so beautiful, that she wins the competition and surpasses Peggy.

### **Question 2.**

“The Hundred Dresses-I” is about teasing Wanda. It also borders on ragging and racism indirectly. Describe how does it affect you and how do you evaluate it?

#### **Answer:**

The story ‘The Hundred Dresses-I’ is really all about teasing of Wanda being polish and having a strange name. They made fun of Wanda and made her feel inferior by asking her about her dresses. Their behaviour towards Wanda was completely undesirable as it shows racism and ragging. These are totally condemnable issues in the society which cannot be accepted.

Peggy and Maddie never thought of Wanda’s feelings and continued teasing her but her selection as a winner shows that colour, prejudice or racism are not the parameter of talent as everybody clapped for her drawings.

### **Question 3.**

It disturbs you that Peggy and Maddie make fun of Wanda. You don’t like it. You decide to speak about this as weak, ugly or poor. Write a speech to express your thought

#### **Answer:**

Dear friends, Today I would like to express my thoughts about the issue of making fun of the students who are weak, ugly or poor by those who are bit superior to them in these aspects. But I would like to fetch your attention that being ugly or poor is not a personal choice or fault. God creates us with different qualities and we should see those qualities in others too. One may be poor or physically unattractive but he/she may have better qualities or skill than us. As in the story, Wanda Petronski is better than Peggy and Maddie in her creativity or drawing.

I hope we all give respect to one another and do not judge anyone on the basis of their monetary status or physical colour. Let us all be encouraging human beings helping and uplifting other human beings.

Link :- <https://youtu.be/GWJjJFdWnb4>

Must watch the video please

**Hari Vidya Bhawan**  
**Worksheet-21**  
**Class-X**  
**Subject- Information Technology**

**Date:-4.7.20**

**Instructions to be followed:-**

- 1:- From now onwards students do your worksheet in your particular subject notebook respectively. Don't use rough sheets, old copies or anything else. All the stationary shop have already opened. So, you can purchase it.
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**L-7 Word Processing (Intermediate)**

**Do questions and answers session -4 & 5 exercise**

- Q.1 What are the different types of page break you can apply into a document?**  
(for ans. No. 1 see IT book page no.297 from the table write only names)
- Q.2 Differentiate between even page break and odd page break.**  
(for ans. No. 2 see IT book page no.297 from the table point no. 6 & 7)
- Q.3 Write the step to delete a page breaks in a Word document.** (for ans. see IT book page no.303)
- Q.4 What do you mean by pictures?** ( for ans. No.4 see IT book page no.308 in let us revise point -1)
- Q.5 How can you insert graphic image into your Word document? Write down all the steps involved.**  
(for ans. No. 5 see IT book page no. 305 point no. 1 to 4)

➤ **Note:- do answer of the question from the suggested page no. of your IT book.**

**OR**

➤ **Watch this link video to understand the above questions**

<https://www.youtube.com/watch?v=Z6bpHzJ9leE> (listen and watch session 6 in this video)