

Name

Due

## Biology



## A1.7

select, organize, & record relevant information on research topics from various sources, using recommended formats & accepted forms of academic documentation

## A1.11

communicate ideas in writing, using appropriate language and a variety of formats

## B2.7

use a research process to investigate a disease related to tissues, organs, or systems of humans

# Cancer Awareness Pamphlet

Cancer is a significant cause of death in the modern world.

According to the *American Cancer Society*, cancer kills  $\frac{1}{4}$  of all men and  $\frac{1}{5}$  of all women. It is important to be informed about the various types of cancer

## Your cancer

### Part 1: Researching Your Cancer

Using reputable sources of information, detail the following facts about your assigned cancer.

- **Name(s).** Many types of cancer have several different names. Some are synonyms; some are closely-related diseases. What other names is your cancer known by?
- **Description.** Describe your cancer. What are its effects on the body? Can it trigger other cancers, or change into another cancer? How does it eventually kill someone?
- **Risk Factors.** What factors make it more likely that someone would get your cancer? Don't just say "genetic" or "environmental" — be as specific as possible.
- **Symptoms.** What symptoms could warn someone that they might have your cancer? What symptoms would indicate that it was getting more serious?
- **Treatment Options.** What would a specialist recommend to treat your cancer? What are the trade-offs between the different options? What would be the *side effects*? What would be the *prognosis* (likely outcome)? What would be the patient's *life expectancy*?

Ideally, you should back up every fact with at least two independent, reputable sources of information.

## Part 2: Presenting Your Information

Present the information you have found in the form of a pamphlet.

Make the pamphlet with a single piece of paper, triple-folded. Use both sides of the paper.

Consider the best order to present your information when laying out the pamphlet. Make good use of colour and graphic elements to highlight important information and make certain the reader doesn't neglect key items.

Your pamphlet may be hand-drawn.

### What to Hand In

- a filled out research sheet (use more than one if you find extra information)
- your pamphlet

### What Your Teacher is Looking For

To get a level 4, make certain that you meet the following criteria.

#### Research

- ☐ reliable information sources are used
- ☐ sources are correctly cited
- ☐ all information is confirmed by at least two sources

10  
marks

#### Pamphlet Design

- ☐ graphic design makes pamphlet easy to read
- ☐ illustrations add information, not just decoration
- ☐ writing is grammatically correct, with proper vocabulary

10  
marks

#### Information

- ☐ common names and medical synonyms are given
- ☐ effects are completely and clearly described
- ☐ specific risk factors are described and evaluated
- ☐ initial and progressive symptoms are clearly described
- ☐ treatment options are presented, including side effects, prognosis, and life expectancy

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Public domain photograph taken by Airman 1st Class Ashley Reed

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# Cancer Awareness Poster

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- **Treatment Options.** What would a specialist recommend to treat your cancer? What are the trade-offs between the different options? What would be the *side effects*? What would be the *prognosis* (likely outcome)? What would be the patient's *life expectancy*?

Ideally, you should back up every fact with at least two independent, reputable sources of information.

## Part 2: Presenting Your Information

Present the information you have found in the form of a poster.

Make the poster with a single 11" × 17" piece of paper. Use only one side of the paper.

Consider the best order to present your information when laying out the poster. Make good use of colour and graphic elements to highlight important information and make certain the reader doesn't neglect key items.

Your poster should be hand-drawn.

### What to Hand In

- a filled out research sheet (use more than one if you find extra information)
- your poster

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# Cancer Awareness Fact Sheet

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Ideally, you should back up every fact with at least two independent, reputable sources of information.

## Part 2: Presenting Your Information

Present the information you have found in the form of a fact sheet.

Make the fact sheet with a single piece of paper. Use both sides of the paper.

Consider the best order to present your information when laying out the fact sheet. Make good use of colour and graphic elements to highlight important information and make certain the reader doesn't neglect key items.

Your fact sheet should be hand-drawn.

### What to Hand In

- a filled out research sheet (use more than one if you find extra information)
- your fact sheet

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20  
marks



# List of **Cancers**

Note: 40 cancers, so no need to duplicate within a class.

Bladder Cancer	Penile Cancer
Bone Cancer	Pharyngeal Cancer
Brain Tumor	Pituitary Tumor
Breast Cancer	Primary Central Nervous System (CNS) Lymphoma
Cardiac (Heart) Tumors	Prostate Cancer
Cervical Cancer	Rectal Cancer
Colon Cancer	Renal Cell (Kidney) Cancer
Esophageal Cancer	Retinoblastoma
Gallbladder Cancer	Salivary Gland Cancer
Hodgkin Lymphoma	Small Intestine Cancer
Intraocular Melanoma	Soft Tissue Sarcoma
Laryngeal Cancer	Stomach (Gastric) Cancer
Leukemia	Testicular Cancer
Liver Cancer	Throat Cancer
Lung Cancer	Thyroid Cancer
Mycosis Fungoides	Urethral Cancer
Neuroblastoma	Uterine Cancer
Non-Hodgkin Lymphoma	Vaginal Cancer
Oral Cancer	Vulvar Cancer
Ovarian Cancer	
Pancreatic Cancer	



Note: cut into slips to draw from a hat.

<b>Bladder Cancer</b>	<b>Pancreatic Cancer</b>
<b>Bone Cancer</b>	<b>Penile Cancer</b>
<b>Brain Tumor</b>	<b>Pharyngeal Cancer</b>
<b>Breast Cancer</b>	<b>Pituitary Tumor</b>
<b>Cardiac (Heart) Tumors</b>	<b>Primary Central Nervous System (CNS) Lymphoma</b>
<b>Cervical Cancer</b>	<b>Prostate Cancer</b>
<b>Colon Cancer</b>	<b>Rectal Cancer</b>
<b>Esophageal Cancer</b>	<b>Renal Cell (Kidney) Cancer</b>
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<b>Laryngeal Cancer</b>	<b>Soft Tissue Sarcoma</b>
<b>Leukemia</b>	<b>Stomach (Gastric) Cancer</b>
<b>Liver Cancer</b>	<b>Testicular Cancer</b>
<b>Lung Cancer</b>	<b>Throat Cancer</b>
<b>Mycosis Fungoides</b>	<b>Thyroid Cancer</b>
<b>Neuroblastoma</b>	<b>Urethral Cancer</b>
<b>Non-Hodgkin Lymphoma</b>	<b>Uterine Cancer</b>
<b>Oral Cancer</b>	<b>Vaginal Cancer</b>
<b>Ovarian Cancer</b>	<b>Vulvar Cancer</b>

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## Facts about cancer

Record your sources below using APA format. When you record information, note which sources it came from beside the information. (Remember that each piece of information should come from at least two sources.)

Sources

1

2

3

4

Names

Description

Risk Factors


Symptoms


Treatments






Name	Mark

# Cancer Pamphlet

Expectation	Level 0	Level 1	Level 2	Level 3	Level 4
A1.7: select, organize, & record relevant information on research topics from various sources, using recommended formats & accepted forms of academic documentation	Research: <input type="checkbox"/> APA format, <input type="checkbox"/> reputable sources, <input type="checkbox"/> two sources per fact				
	Includes: <input type="checkbox"/> names, <input type="checkbox"/> description, <input type="checkbox"/> risk factors, <input type="checkbox"/> symptoms, <input type="checkbox"/> treatment options				
A1.11: communicate ideas, plans, procedures, results, and conclusions orally, in writing and/or electronic presentations, using appropriate language and a variety of formats	Student does not demonstrate sufficient organization of ideas and information.	The student organizes ideas and information with limited effectiveness.	The student organizes ideas and information with some effectiveness.	The student organizes ideas and information with considerable effectiveness.	The student organizes ideas and information with a high degree of effectiveness.
	0 2 4	5	6	7	8 9 10
B2.7: use a research process to investigate a disease related to tissues, organs, or systems of humans	Student does not express ideas and information with sufficient effectiveness.	The student expresses ideas and information with limited effectiveness.	The student expresses ideas and information with some effectiveness.	The student expresses ideas and information with considerable effectiveness.	The student expresses ideas and information with a high degree of effectiveness.
	0 1 2	2.5	3	3.5	4 5
B2.7: use a research process to investigate a disease related to tissues, organs, or systems of humans	Student does not use convention, vocabulary, and terminology with sufficient effectiveness.	The student uses convention, vocabulary, and terminology with limited effectiveness.	The student uses convention, vocabulary, and terminology with some effectiveness.	The student uses convention, vocabulary, and terminology with considerable effectiveness.	The student uses convention, vocabulary, and terminology with a high degree of effectiveness.
	0 1 2	2.5	3	3.5	4 5
B2.7: use a research process to investigate a disease related to tissues, organs, or systems of humans	Correct: <input type="checkbox"/> names, <input type="checkbox"/> description, <input type="checkbox"/> risk factors, <input type="checkbox"/> symptoms, <input type="checkbox"/> treatment options				
	Student does not demonstrate a sufficient understanding of the material.	The student demonstrates a limited understanding of the material.	The student demonstrates some understanding of the material.	The student demonstrates considerable understanding of the material.	The student demonstrates a high degree of understanding of the material.
	0 4 8	10	12	14	16 18 20



Name	Mark

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