

Health and the Human Body

HealthWorks Exhibit Hall:

The small intestines, pancreas, and spleen are all a part of the Human Digestive System. In this system, the pancreas is the organ that contains the _____ that produces a chemical necessary for keeping the blood sugar levels in balance. This chemical necessary to metabolize sugars is called _____. Also, a part of the Digestive system is the spleen, an organ located behind the stomach, it has two primary functions:

Name two systems work together to get oxygen to all the cells in your body:

_____, and _____

When breathing, as a person inhales the diaphragm _____ allowing air to rush in and equalize the air pressure in the lungs. When they exhale, the diaphragm _____, air leaves the lungs, and the chest returns to its resting size.

In the Muscular & Skeletal Systems, there are three types of muscles, name them:

_____, _____, _____

In our exhibit model, how many joints have been replaced? _____. Other than injuries, what can cause the need for a joint replacement? _____

Name an example of this: _____

(**DNA**) is a nucleic acid that contains the genetic instructions for the **development** and **function** of living things. All known **cellular** life and some viruses contain **DNA**. The main **role** of **DNA** in the **cell** is the long-term storage of information. In the human body DNA is made up of four nucleotides. List them:

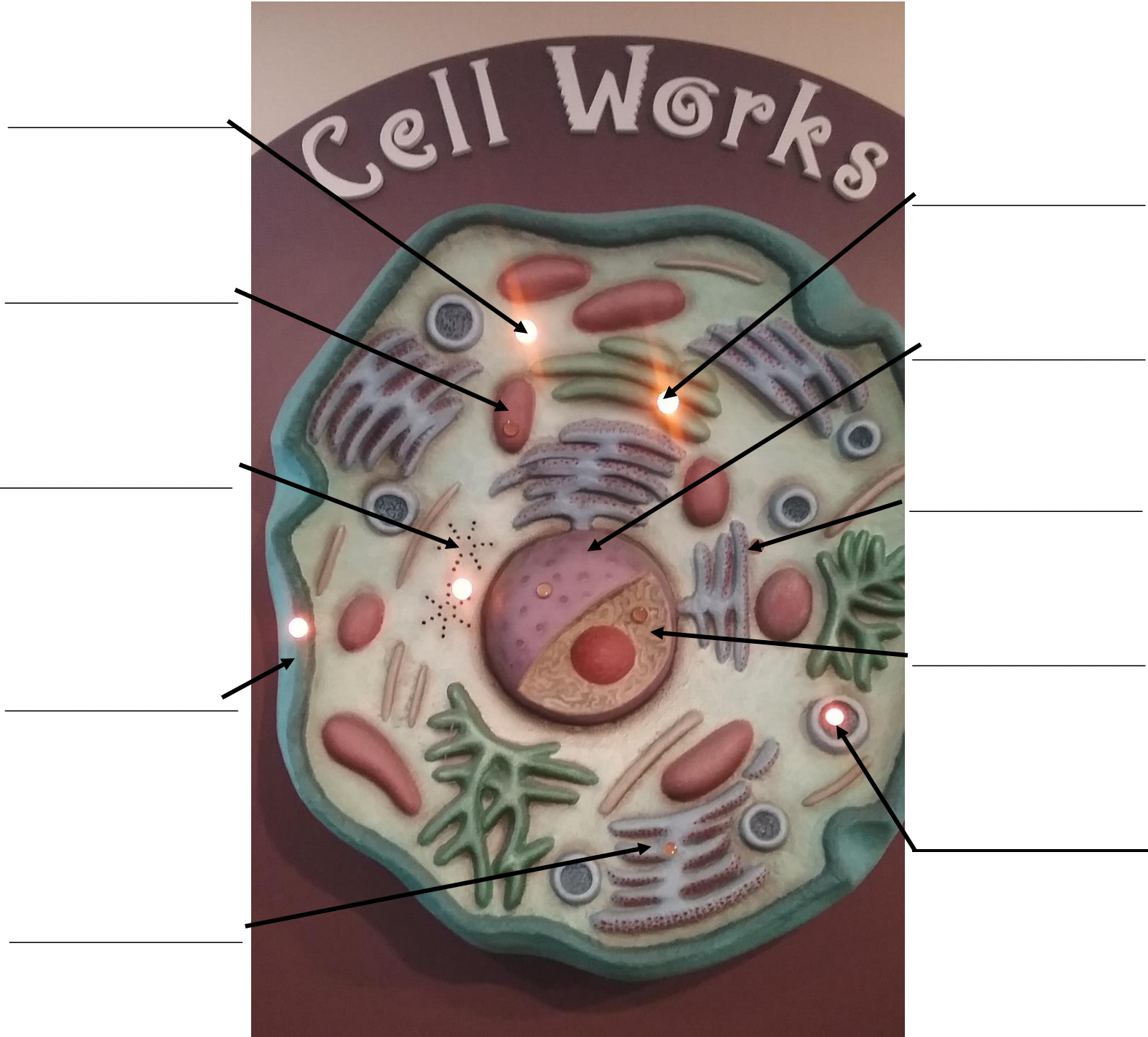
_____, _____, _____, _____

With these nucleotides:

_____ always bonds with _____, and
_____ always bonds with _____.

BONUS:

Name these parts of the cell:



List a Dominant Trait : _____

List a Recessive Trait: _____



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The small intestines, pancreas, and spleen are all a part of the Human Digestive System. In this system, the pancreas is the organ that contains the Islets of Langerhans that produces a chemical necessary for keeping the blood sugar levels in balance. This chemical necessary to metabolize sugars is called insulin. Also, a part of the Digestive system is the spleen, an organ located behind the stomach, it has two primary functions: Remove damaged red blood cells
Store platelets

Name two systems that work together to get oxygen to all the cells in your body:

Circulatory, and Respiratory
When breathing, as a person inhales the diaphragm contracts allowing air to rush in and equalize the air pressure in the lungs. When they exhale, the diaphragm relaxes, air leaves the lungs, and the chest returns to its resting size.

In the Muscular & Skeletal Systems, there are three types of muscles. Name them:

Cardiac, Smooth, Skeletal
In our exhibit model, how many joints have been replaced? 6. Other than injuries, what can cause the need for a joint replacement? Disease
Name an example of this: Arthritis

(DNA) is a nucleic acid that contains the genetic instructions for the **development** and **function** of living things. All known **cellular** life and some viruses contain **DNA**. The main **role** of **DNA** in the **cell** is the long-term storage of information. In the human body DNA is made up of four nucleotides. List them:

Thymine, Adenine, Guanine, Cytosine
With these nucleotides:
A always bonds with T, and
G always bonds with C.

Name these parts of the cell:

