

Unit- 3

Body Fluids and Blood; Lymphatic System

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3.1. Body Fluids and Blood

Introduction

Body is formed by solids and fluids. Fluid part is more than two third of the whole body. Water forms most of the fluid part of the body. In human beings, the total body water varies from 45% to 75% of body weight.

In a normal young adult male, body contains 60% to 65% of water and 35% to 40% of solids. In a normal young adult female, the water is 50% to 55% and solids are 45% to 50%.

In females, water is less because of more amount of subcutaneous adipose tissue. In thin persons, water content is more than that in obese persons. In old age, water content is decreased due to increase in adipose tissue. Total quantity of body water in an average human being weighing about 70 kg is about 40 L.

Note: Compartments of Body Fluids – Distribution of Body Fluids

Total water in the body is about 40 L. It is distributed into two major compartments:



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Re: **LETTER OF BOOK CHAPTER ACCEPTANCE**

Dear: Mr. Ashwin Saxena (Co-Author)

On behalf of the Editors Book entitled "**Human Anatomy Physiology-I**" We are happy to inform you that your Chapter [**Body Fluids and Blood; Lymphatic System**] has been accepted and included for publication which will be ready by the end of December-2021 with **ISBN: 987-1-68576-094-6** within Terms and Conditions accepted by the editors.

Thank you very much for your valuable contribution

Yours Sincerely

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