

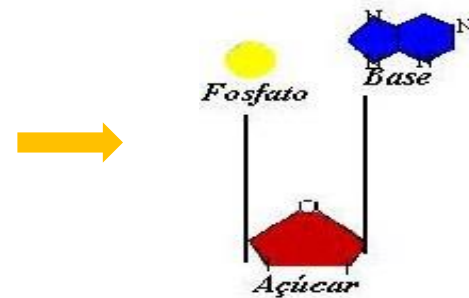
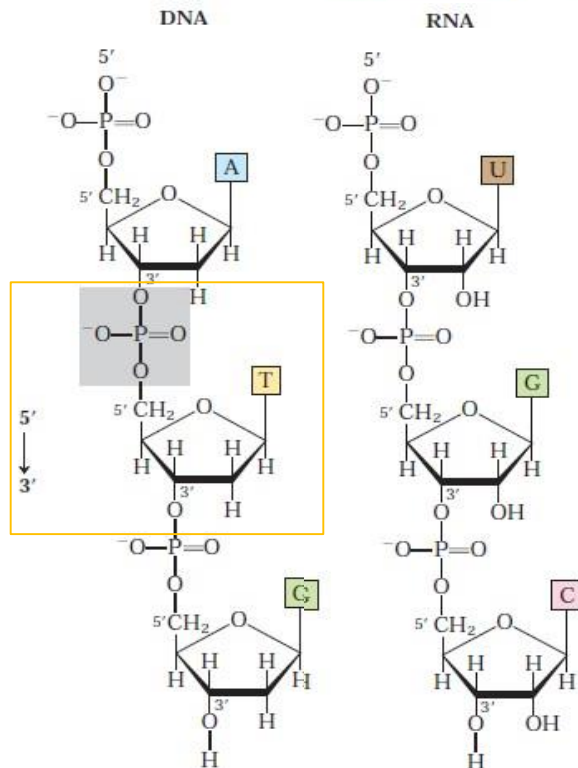
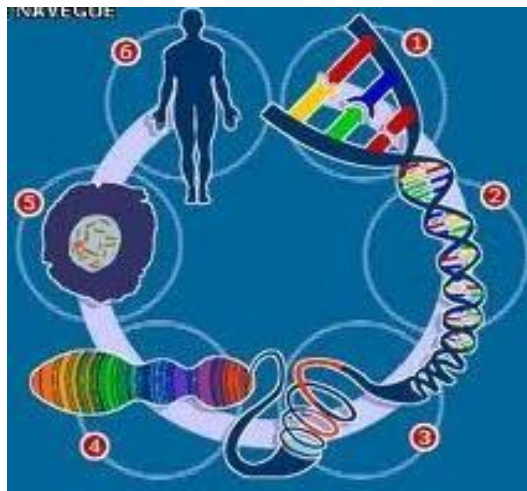
BIOLOGIA CELULAR E MOLECULAR II

✓ Aula de Revisões

OBJECTIVOS

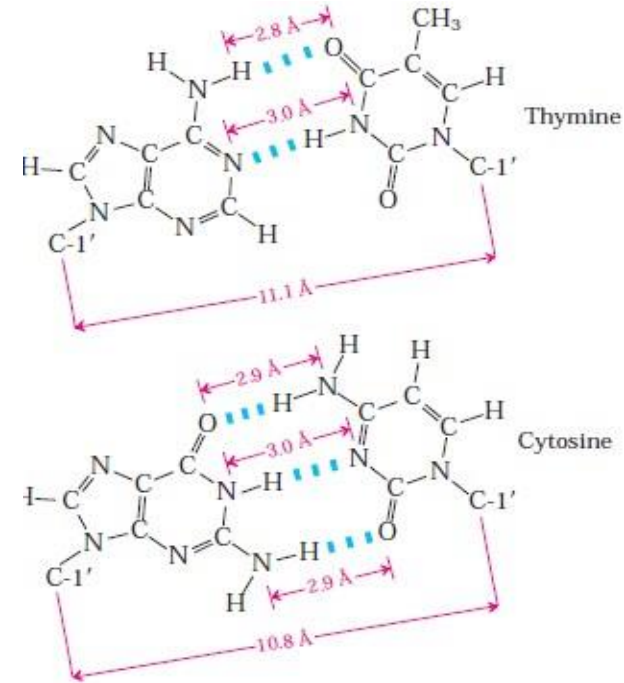
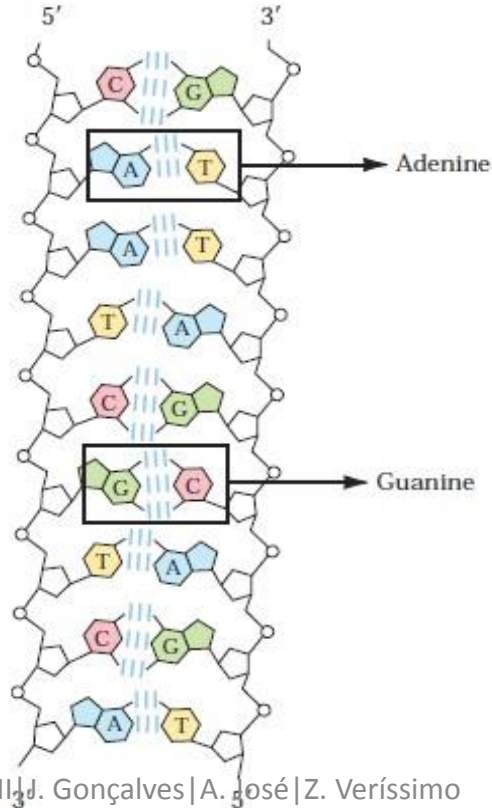
- ✓ Rever alguns conceitos do I Semestre que são pré-requisitos para o sucesso do II Semestre
 - ✓ Citogenética
 - ✓ Divisões nucleares
 - ✓ Mitose
 - ✓ Meiose

Ácidos Nucleicos

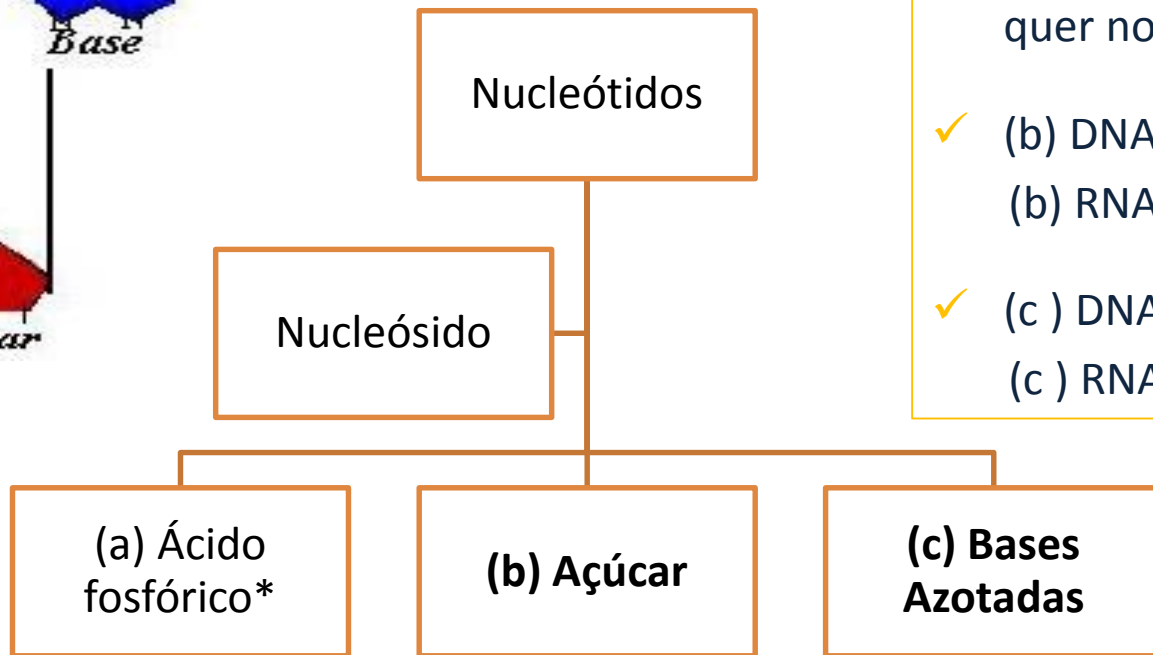
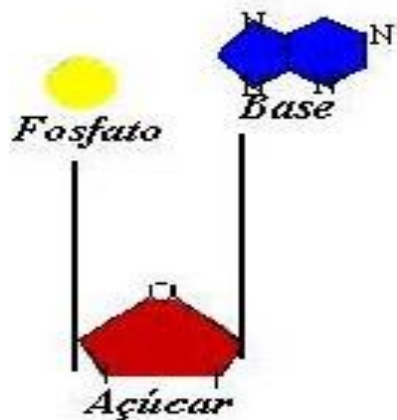


Ligações Químicas nos Ácidos Nucleicos

- ✓ Ligações fosfodiéster
(DNA e RNA)
 - ✓ Permite a formação de uma cadeia polinucleotídica
- ✓ Ligações por pontes de hidrogénio (DNA)
 - ✓ Permite a estabilização das duas cadeias de DNA

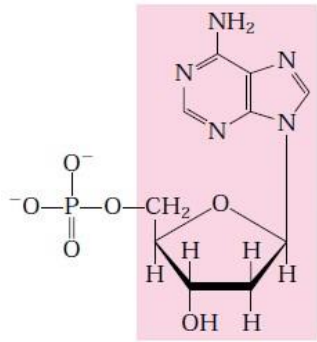
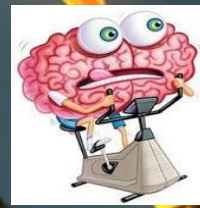


Componentes de um nucleótido

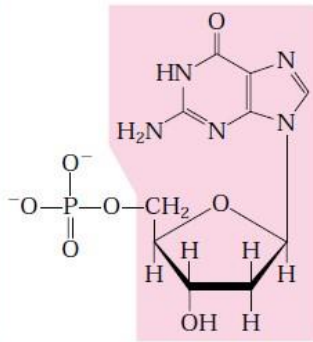


- ✓ (a) existe sob a mesma forma quer no DNA quer no RNA
- ✓ (b) DNA: Desoxirribose
(b) RNA: Ribose
- ✓ (c) DNA: T-A, G-C
(c) RNA: U-A, G-C

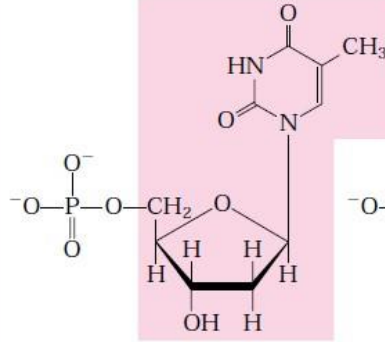
Nucleótidos vs Nucleósidos



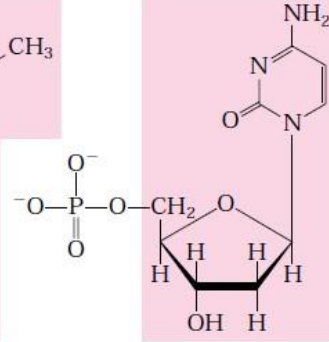
dAMP



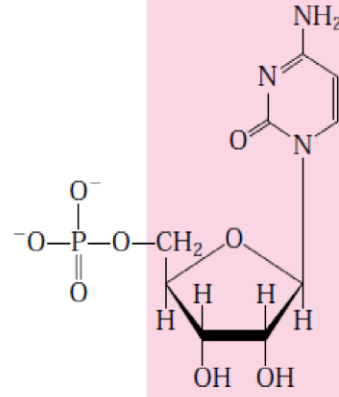
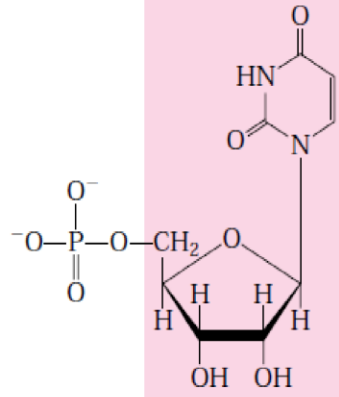
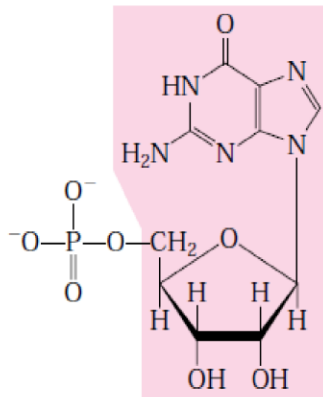
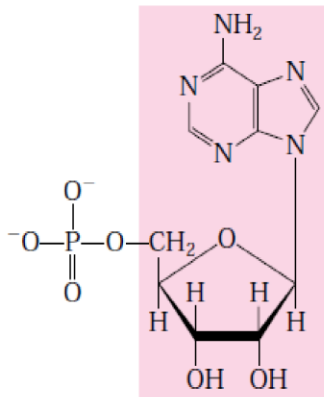
dGMP



dTMP | UMP



dCMP

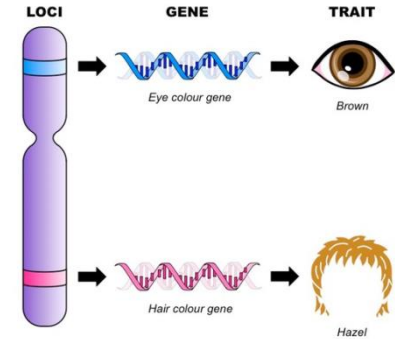
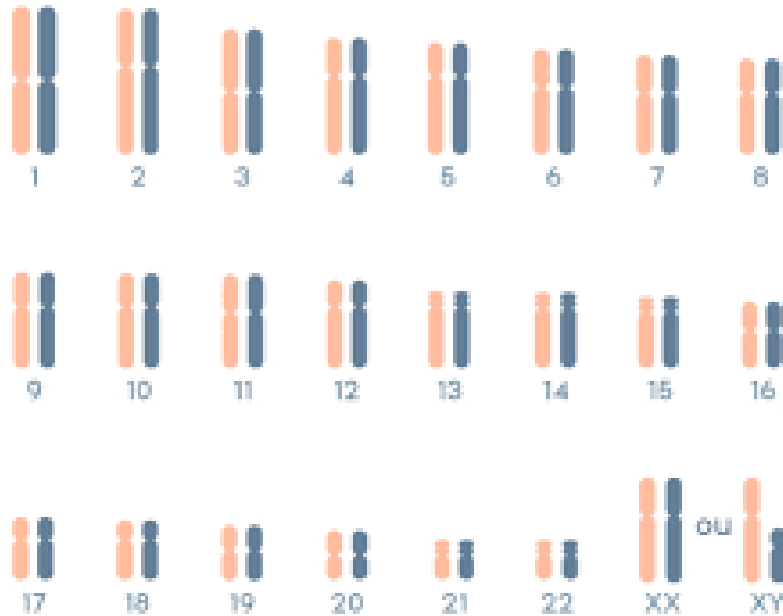


Questões de verificação:

1. Quais são os nucleótidos/ nucleósidos do DNA?

2. Qual é a sua nomenclatura correcta?

Cariótipo Humano



- ✓ Conceito de cariótipo
- ✓ Constituição dos cromossomas
- ✓ Grupos de cromossomas (Autossomas e Heterossomas)
- ✓ Determinação da Fórmula génica

Mitosis vs Meiosis

