

Reading free Regents biology menstrual cycle

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menstrual cycle recurring fluctuations in hormone levels that produce physical changes in the uterus and ovaries to prepare the female body for pregnancy in adult women the menstrual cycle lasts anywhere from 21 to 40 days learn about the phases and hormonal control of the menstrual cycle all sexually mature female mammals undergo a process that allows them to reproduce this is known as the menstrual cycle in primate mammals like humans what is the menstrual cycle the menstrual cycle refers to natural changes that occur in the female reproductive system each month during the reproductive years the cycle is necessary for the production of eggs and the preparation of the uterus for pregnancy the testes and ovaries video the menstrual cycle has three phases follicular before release of the egg ovulatory egg release luteal after egg release changes during the menstrual cycle in primates and humans the cycle is a menstrual cycle and its most conspicuous feature is the periodic vaginal bleeding that occurs with the shedding of uterine mucose menstruation the length of the cycle is notoriously variable but an average figure is 28 days from the start of one menstrual period to the start of the next the basic biology of the menstrual cycle is a complex coordinated sequence of events involving the hypothalamus anterior pituitary ovary and endometrium the menstrual cycle with all its complexities can be easily perturbed by environmental factors such as stress extreme exercise eating disorders and obesity menstruation is the cyclic orderly sloughing of the uterine lining in response to the interactions of hormones produced by the hypothalamus pituitary and ovaries the menstrual cycle may be divided into two phases 1 follicular or proliferative phase and 2 the luteal or secretory phase what is the menstrual cycle the menstrual cycle is a complex series of physiological changes that occur in women of reproductive age on a monthly basis the end result is the production of an ovum and thickening of the endometrium to allow for implantation should fertilisation should occur hormones are secreted by glands in the endocrine system they are involved in puberty regulating the menstrual cycle contraception and fertility treatments health library articles menstrual cycle a menstrual cycle begins when you get your period or menstruate this is when you shed the lining of your uterus this cycle is part of your reproductive system and prepares your body for a possible pregnancy a typical cycle lasts between 24 and 38 days female reproductive organs what is menstruation the menstrual cycle is divided into four phases namely menstrual phase day 1 uterus lining which is prepared for

implantation starts to shed which lasts 3 to 5 days follicular phase in this phase the primary follicle starts developing into a mature graffian follicle the following diagram illustrates the menstrual cycle it also shows the changing levels of the two hormones involved in the process the menstrual cycle is an approximately 28 day cycle that prepares the female body for pregnancy hormone levels change during the cycle video 01 02 video transcript can you answer the menstrual cycle describes the female human reproductive cycle this is a cyclic endocrine regulated change in female anatomy and physiology that occur over 28 days 4 weeks a lunar month during reproductive life between puberty and menopause the menstrual cycle is the process of discharge of blood and other things from the vagina of a woman every month from puberty to menopause excluding pregnancy it is a natural periodical process that brings changes in the female reproductive system which is responsible for the pregnancy four hormones control the events that occur during the menstrual cycle two of these hormones are produced by the pituitary gland in the brain follicle stimulating hormone fsh causes maturation of an egg in the ovary luteinising hormone lh stimulates the release of the egg the basic biology of the menstrual cycle is a complex coordinated sequence of events involving the hypothalamus anterior pituitary ovary and endometrium the menstrual cycle with all its complexities can be easily perturbed by environmental factors such as stress extreme exercise eating disorders and obesity the menstrual cycle is controlled by hormones released from the ovary and the pituitary gland in the brain oestrogen levels rise from day 1 to peak just before day 14 this causes the uterine wall to start thickening and the egg to mature the peak in oestrogen occurs just before the egg is released menstrual cycle is a recurring process that takes around 28 days during the process the lining of the uterus is prepared for pregnancy if implantation of the fertilised egg into the the menstrual cycle is regulated by the complex interaction of hormones luteinizing hormone follicle stimulating hormone and the female sex hormones estrogen and progesterone the menstrual cycle has three phases follicular before release of the egg ovulatory egg release luteal after egg release

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all sexually mature female mammals undergo a process that allows them to reproduce this is known as the menstrual cycle in primate mammals like humans

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what is the menstrual cycle the menstrual cycle refers to natural changes that occur in the female reproductive system each month during the reproductive years the cycle is necessary for the production of eggs and the preparation of the uterus for pregnancy

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the basic biology of the menstrual cycle is a complex coordinated sequence of events involving the

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menstruation is the cyclic orderly sloughing of the uterine lining in response to the interactions of hormones produced by the hypothalamus pituitary and ovaries the menstrual cycle may be divided into two phases 1 follicular or proliferative phase and 2 the luteal or secretory phase

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what is the menstrual cycle the menstrual cycle is a complex series of physiological changes that occur in women of reproductive age on a monthly basis the end result is the production of an ovum and thickening of the endometrium to allow for implantation should fertilisation should occur

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hormones are secreted by glands in the endocrine system they are involved in puberty regulating the menstrual cycle contraception and fertility treatments

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the menstrual cycle is an approximately 28 day cycle that prepares the female body for pregnancy hormone levels change during the cycle video 01 02 video transcript can you answer

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the menstrual cycle describes the female human reproductive cycle this is a cyclic endocrine regulated change in female anatomy and physiology that occur over 28 days 4 weeks a lunar month during reproductive life between puberty and menopause

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the menstrual cycle is the process of discharge of blood and other things from the vagina of a woman every month from puberty to menopause excluding pregnancy it is a natural periodical process that brings changes in the female reproductive system which is responsible for the pregnancy

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four hormones control the events that occur during the menstrual cycle two of these hormones are produced by the pituitary gland in the brain follicle stimulating hormone fsh causes maturation of an egg in the ovary luteinising hormone lh stimulates the release of the egg

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