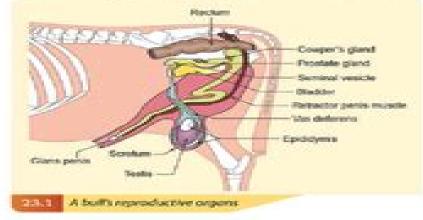
## ANIMAL REPRODUCTION

#### Learning outcomes ---

- → Identify parts of the reproductive system of a bull and a cow
- Describe the role of the hormones in the reproductive cycle
- → Distinguish between oestrus and oestrus cycle
- Describe methods of fertilisation of two farm animals.
- → Discuss the importance of genetics in food producing animals.
- → Discuss the importance of genetics in the production of animals used for breeding



#### MALE REPRODUCTIVE SYSTEM

Testes - production of sperm. Suspended outside the body cavity to keep at a lower temperature than the rest of the body. This is necessary for sperm to develop and mature properly.

Sperm - produced in testes. Matures and is stored in the epididymis. Can also be stored in the duct leading out of the epididymis called the vas deferens.

- As the sperm travels along the vas deferens three fluids are secreted from the seminal vesicle, the prostate gland and the Cowper's gland.
- Gives sperm mobility.

#### Male hormones ---

- Follicle stimulating hormone (FSH) → Sperm production
- Luteinising hormone (LH) 

  Stimulates testosterone production
- Testosterone Role in testes developments and prostate gland. Responsible for the male sex characteristics and increasing muscle and bone growth.

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Elementary Notes on the Reproduction of Angiosperms Arthur Harry Church, 1919 Supporting K-12 English Language Learners in Science Cory Buxton, Martha Allexsaht-Snider, 2016-11-18 The contribution of this book is to synthesize important common themes and highlight the unique features findings and lessons learned from three systematic ongoing research and professional learning projects for supporting English learners in science Each project based in a different region of the U S and focused on different age ranges and target populations actively grapples with the linguistic implications of the three dimensional learning required by the Framework for K 12 Science Education and the Next Generation Science Standards Each chapter provides research based recommendations for improving the teaching of science to English learners Offering insights into teacher professional learning as well as strategies for measuring and monitoring how well English learners are learning science and language this book tells a compelling and inclusive story of the challenges and the opportunities of teaching science to English learners Resources in Education ,1997-07 **Reproduction** Richard M. Hopper, 2021-04-30 Ein umfassendes Nachschlagewerk mit praktischen ma geblichen Informationen zu allen Aspekten der Rindertheriogenologie Die neu berarbeitete zweite Ausgabe von Bovine Reproduction bietet einen ausf hrlichen berblick ber alle wichtigen Themen rund um die Rinderreproduktion Das Werk wurde von f hrenden Experten auf dem Gebiet verfasst und ist ein unverzichtbares Referenzwerk fr alle Tier rzte die sich mit der Fruchtbarkeit von Rindern besch ftigen Bovine Reproduction ist in mehrere Abschnitte unterteilt ber den Bullen die Kuh das neugeborene Kalb und Techniken der assistierten Reproduktion Die neue Ausgabe enth lt Kapitel ber neue Genmanipulationstechniken den Umgang mit problematischen Spendern L hmung und viele weitere Themen Veraltete und berfl ssige Angaben aus der ersten Ausgabe wurden entfernt und durch Informationen ber neue Krankheiten Technologien Verfahren Techniken und Behandlungsm glichkeiten von Fertilit tsproblemen ersetzt Auf der neuen begleitenden Website stehen Bilder und Tabellen aus dem Buch im PowerPoint Format zur Verf gung Neben den ber 675 vollfarbigen Abbildungen bietet das Werk insbesondere Eine ausf hrliche Diskussion der Anatomie und Physiologie des Bullen auch in Bezug auf die endokrine und exokrine Funktion der Rinderhoden und die Thermoregulation der Hoden Eine Betrachtung des Zucht und Gesundheitsmanagements bei Bullen mit einer Bewertung der Zuchttauglichkeit und einem Abschnitt ber Ultraschalluntersuchungen des Fortpflanzungstrakts Eine Analyse der Anatomie Physiologie sowie des Zucht und Gesundheitsmanagements bei K hen auch in Bezug auf f tale Programmierung das Mikrobiom des Fortpflanzungstrakts und mit einem Abschnitt ber Geburtshilfe und Reproduktionschirurgie Einen berblick ber die Intensivpflege des neugeborenen Kalbes und die wirksame Untersuchung und Gabe von Kolostrum Eine Einf hrung in assistierte moderne Reproduktionstechnologien Das praktische umfassende Nachschlagewerk ist ein unverzichtbarer Ratgeber fr Rinderz chter Theriogenologen Tierzuchtwissenschaftler Studierende der Veterin rmedizin und angehende rzte mit einer Spezialisierung

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Comparing science content in the National Assessment of Educational Progress (NEAP) 2000 and Trends in International Mathematics and Science Study (TIMSS) 2003 assessments technical report. ,2006 **Resources in Education** ,1997

**Code of Federal Regulations** ,2008 Special edition of the Federal Register containing a codification of documents of general applicability and future effect with ancillaries

Grade 12 Animal Reproduction Notes: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous engrossing novels captivating the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the engaging narratives that have charmed audiences this year. The Must-Read: Colleen Hoovers "It Ends with Us" This heartfelt tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Uncover the Best: Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Grade 12 Animal Reproduction Notes: Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a guiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a brilliant and gripping novel that will keep you wondering until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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