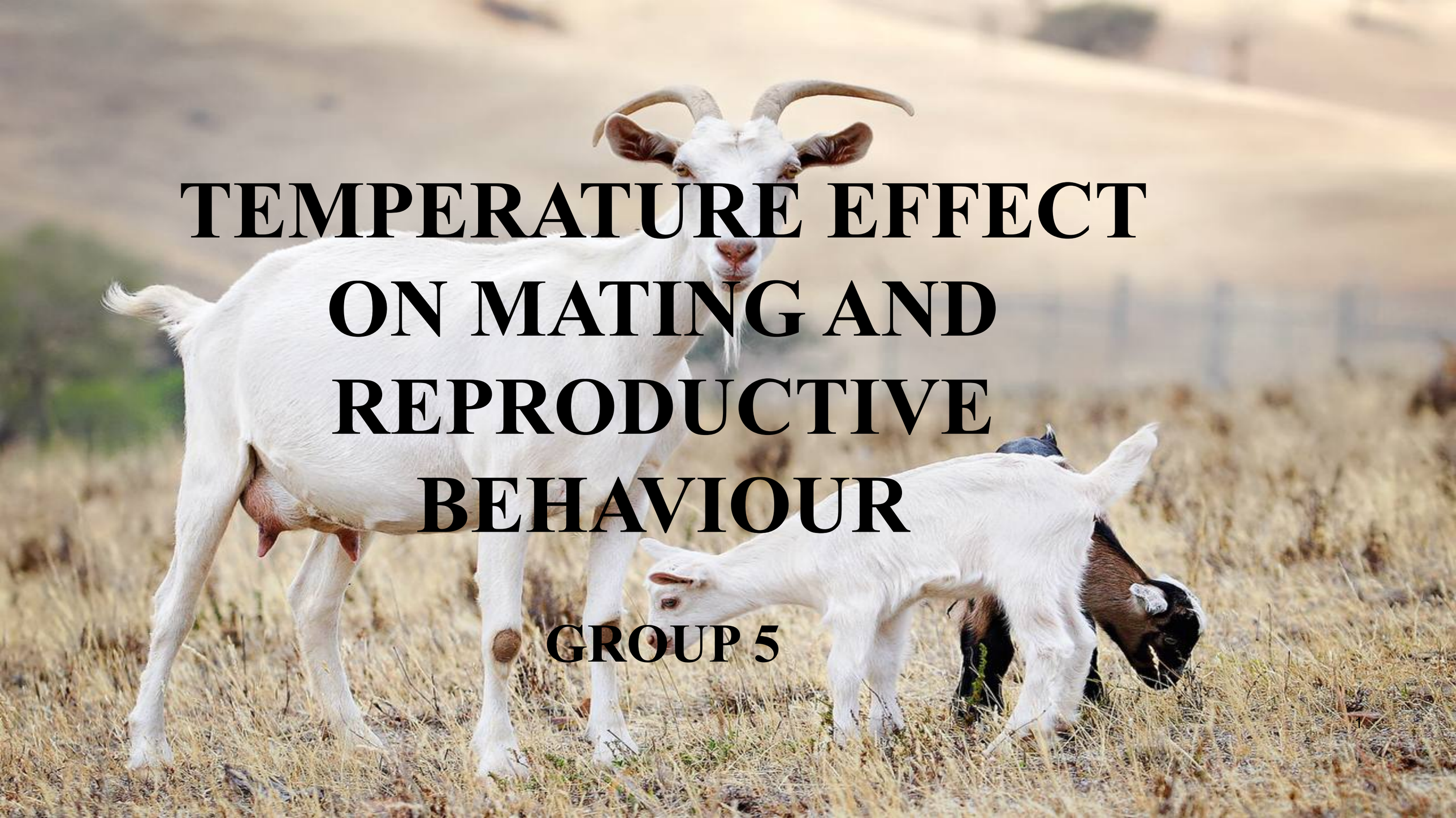

TEMPERATURE EFFECT ON MATING AND REPRODUCTIVE BEHAVIOUR

GROUP 5

OUTLINE

- Introduction
- Temperature effects on organisms on mating and reproductive behaviour
- Advantages and disadvantages
- Conclusion

INTRODUCTION

Temperature has great influence on the habitats where species survive and reproduce. It can also have significant effects on mating and reproductive behaviour in various organisms. Temperature plays a crucial role in regulating physiological processes, hormonal levels and behavioural patterns which in turn impact on an organisms ability to mate and reproduce successfully. These effects are often referred to as thermal effects or thermal influence on reproductive processes.

TEMPERATURE EFFECTS ON MATING AND REPRODUCTIVE BEHAVIOR IN ORGANISMS

- Seasonal breeding habits e.g cows, dogs e.tc
- Mating calls and displays
- Courtship and mate choice
- Reproductive physiology
- Nesting and parental care
- Reproductive success

TEMPERATURE EFFECTS ON MATING AND REPRODUCTIVE BEHAVIOUR IN ORGANISMS cont..

- Spawning
- Reproductive timing
- Seasonal migration
- Overwintering strategies

ADVANTAGES OF TEMPERATURE ON MATING AND REPRODUCTIVE BEHAVIOUR OF ORGANISMS

- Temperature-dependent sex determination
- Synchronizing breeding
- Extended breeding seasons
- Stimulating hormonal physiology of organisms
- Courtship behaviours
- Adaptation and evolution

DISADVANTAGES OF TEMPERATURE ON MATING AND REPRODUCTIVE BEHAVIOUR OF ORGANISMS

- Reduced fertility in extreme temperatures
- Altered breeding seasons
- Disruption of courtship behaviours
- Embryo mortality
- Parental stress
- Reduced offspring fitness

CONCLUSION

Temperature plays a pivotal role in shaping the mating and reproductive behaviour of organisms across diverse conditions. Organisms have evolved adaptations to cope with temperature effects on reproduction demonstrating their resilience and adaptability in the face of changing environmental conditions.

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THANK YOU