1. Record Nr. UNINA9910145298803321

Autore	Richardson V. C. G
Titolo	Rabbits [[electronic resource]] : health, husbandry, and diseases / / V. C.G. Richardson
Pubbl/distr/stampa	Oxford ; ; Malden, MA, : Blackwell Science, c2000
ISBN	1-281-30975-3 9786611309756 0-470-69378-9 0-470-69303-7
Descrizione fisica	1 online resource (186 p.)
Disciplina	636.9/322 636.932
Soggetti	Rabbits - Diseases Rabbits - Health Rabbits Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 171-173) and index.
Nota di contenuto	Rabbits; CONTENTS; Preface; 1 Husbandry; 2 Nutrition; 3 The Clinical Examination; 4 The Skin; 5 The Reproductive System; 6 The Neonatal Rabbit; 7 The Urinary System; 8 The Respiratory System; 9 The Digestive System; 10 The Musculoskeletal System; 11 The Teeth; 12 The Head and Neck; 13 Neurological and Neuromuscular Disorders; 14 Important Viral Diseases; 15 Behaviour; 16 Anaesthesia and Surgery; 17 Drugs and Treatments; 18 Zoonotic Aspects; References and further reading; Index
Sommario/riassunto	Rabbits are the third most popular pet in the world and the trend to keep them indoors will make the ""house rabbit"" the pet of the next century. Rabbit owners expect and deserve the same standard of veterinary care for their rabbits as they receive for their cats and dogs. Devoted entirely to the pet rabbit, this book is a practical and concise guide to health, husbandry and diseases. The book begins with an overview of rabbit husbandry. Nutritional requirements and clinical examination are covered in chapters 2 and 3. Subsequent chapters then

take a body system approach to describ

2. Record Nr. UNINA9911019633803321

Autore	Stlen Svein
Titolo	Chemical thermodynamics of materials : macroscopic and microscopic aspects / / Svein Stolen, Tor Grande ; with a chapter on thermodynamics and materials modelling by Neil L. Allan
Pubbl/distr/stampa	Hoboken, NJ, : J. Wiley, c2004
ISBN	9786610269341 9781280269349 1280269340 9780470092675 047009267X 9780470092682 0470092688
Descrizione fisica	1 online resource (410 p.)
Altri autori (Persone)	GrandeTor
Disciplina	541/.369
Soggetti	Thermodynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chemical Thermodynamics of Materials; Contents; Preface; 1 Thermodynamic foundations; 1.1 Basic concepts; Thermodynamic systems; Thermodynamic variables; Thermodynamic processes and equilibrium; 1.2 The first law of thermodynamics; Conservation of energy; Heat capacity and definition of enthalpy; Reference and standard states; Enthalpy of physical transformations and chemical reactions; 1.3 The second and third laws of thermodynamics; The second law and the definition of entropy; Reversible and non-reversible processes Conditions for equilibrium and the definition of Helmholtz and Gibbs energiesMaximum work and maximum non-expansion work; The variation of entropy with temperature; The third law of thermodynamics; The Maxwell relations; Properties of the Gibbs

energy; 1.4 Open systems; Definition of the chemical potential; Conditions for equilibrium in a heterogeneous system; Partial molar properties; The Gibbs-Duhem equation; References; Further reading; 2 Single-component systems; 2.1 Phases, phase transitions and phase diagrams; Phases and phase transitions; Slopes of the phase boundaries
Phase diagrams and Gibbs phase ruleField-induced phase transitions; 2.2 The gas phase; Ideal gases; Real gases and the definition of fugacity; Equations of state of real gases; 2.3 Condensed phases; Variation of the standard chemical potential with temperature; Representation of transitions; Equations of state; References; Further reading; 3 Solution thermodynamics; 3.1 Fundamental definitions; Measures of composition; Mixtures of gases; Solid and liquid solutions - the definition of chemical activity; 3.2 Thermodynamics of solutions; Definition of mixing properties; Ideal solutions
Excess functions and deviation from ideality3.3 Standard states; Henry's and Raoult's laws; Raoultian and Henrian standard states; 3.4 Analytical solution models; Dilute solutions; Solution models; Derivation of partial molar properties; 3.5 Integration of the Gibbs-Duhem equation; References; Further reading; 4 Phase diagrams; 4.1 Binary phase diagrams from thermodynamics; Gibbs phase rule; Conditions for equilibrium; Ideal and nearly ideal binary systems; Simple eutectic systems; Regular solution modelling; Invariant phase equilibria; Formation of intermediate phases
Melting temperature: depression or elevation?Minimization of Gibbs energy and heterogeneous phase equilibria; 4.2 Multi-component systems; Ternary phase diagrams; Quaternary systems; Ternary reciprocal systems; 4.3 Predominance diagrams; References; Further reading; 5 Phase stability; 5.1 Supercooling of liquids - superheating of crystals; 5.2 Fluctuations and instability; The driving force for chemical reactions: definition of affinity; Stability with regard to infinitesimal fluctuations; Compositional fluctuations and instability; The van der Waals theory of liquid-gas transitions
Pressure-induced amorphization and mechanical instability

Sommario/riassunto

A comprehensive introduction, examining both macroscopic and microscopic aspects of the subject, the book applies the theory of thermodynamics to a broad range of materials; from metals, ceramics and other inorganic materials to geological materials. Focusing on materials rather than the underlying mathematical concepts of the subject, this book will be ideal for the non-specialist requiring an introduction to the energetics and stability of materials. Macroscopic thermodynamic properties are linked to the underlying miscroscopic nature of the materials and trends in important properties are