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Department of
Education
FREE STATE PROVINCE

PHYSICAL SCIENCES PAPER 2 (CHEMISTRY)

GRADE 12

TERMS & DEFINITIONS, QUESTIONS & ANSWERS PER TOPIC

2021



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Breaking Point Rebecca Schwartz Greene, 2023-01-03 WINNER SOCIETY FOR MILITARY HISTORY DISTINGUISHED BOOK AWARDS FIRST BOOK This book informs the public for the first time about the impact of American psychiatry on soldiers during World War II Breaking Point is the first in depth history of American psychiatry in World War II Drawn from unpublished primary documents oral histories and the author's personal interviews and correspondence over years with key psychiatric and military policymakers it begins with Franklin Roosevelt's endorsement of a universal Selective Service psychiatric examination followed by Army and Navy pre and post induction examinations Ultimately 2.5 million men and women were rejected or discharged from military service on neuropsychiatric grounds Never before or since has the United States engaged in such a program In designing Selective Service Medical Circular No. 1 psychiatrist Harry Stack Sullivan assumed psychiatrists could predict who might break down or falter in military service or even in civilian life thereafter While many American and European psychiatrists questioned this belief and huge numbers of American psychiatric casualties soon raised questions about screening's validity psychiatric and military leaders persisted in 1942 and 1943 in endorsing ever tougher screening and little else Soon families complained of fathers and teens being drafted instead of being identified as psychiatric 4Fs and Blacks and Native Americans among others complained of bias A frustrated General George S. Patton famously slapped two malingering neuropsychiatric patients in Sicily a sentiment shared by Marshall and Eisenhower though they favored a tamer style Yet psychiatric rejections, evacuations, and discharges mounted While psychiatrist Roy Grinker and a few others treated soldiers close to the front in Tunisia in early 1943 this was the exception But as demand for manpower soared and psychiatrists finally went to the field and saw that combat itself, not predisposition, precipitated breakdown leading military psychiatrists switched their emphasis from screening to prevention and treatment But this switch was too little, too late, and slowed by a year-long series of Inspector General investigations even while numbers of psychiatric casualties soared Ironically, despite and even partly because of psychiatrists' wartime performance plus the emotional toll of war, postwar America soon witnessed a dramatic growth in numbers, popularity, and influence of the profession culminating in the National Mental Health Act 1946 But veterans with PTSD, not recognized until 1980, were largely neglected *Journal of Research of the National Bureau of Standards*, 1985 *Journal of Research of the National Bureau of Standards* United States. National Bureau of Standards, 1985 **Cancer, Radiation Therapy, and the Market** Barbara Bridgman Perkins, 2017-08-16 Appraising cancer as a major medical market in the 2010s Wall Street investors placed their bets on single technology treatment facilities costing 100-300 million each Critics inside medicine called the widely publicized proton center boom crazy medicine and unsustainable public policy There was no valid evidence they claimed that proton beams were more effective than less costly alternatives But developers expected insurance to cover their centers' staggeringly high costs and debts Was speculation like this new to health care **Cancer Radiation Therapy and the Market** shows how the

radiation therapy specialty in the United States later called radiation oncology coevolved with its device industry throughout the twentieth century Academic engineers and physicians acquired financing to develop increasingly powerful radiation devices initiated companies to manufacture the devices competitively and designed hospital and freestanding procedure units to utilize them In the process they incorporated market strategies into medical organization and practice Although palliative benefits and striking tumor reductions fueled hopes of curing cancer scientific research all too often found serious patient harm and disappointing beneficial impact on cancer survival This thoroughly documented and provocative inquiry concludes that public health policy needs to re evaluate market driven high tech medicine and build evidence based health care systems

Armed Conflict, Women and Climate Change Jody M. Prescott, 2018-11-21 The gender differentiated and more severe impacts of armed conflict upon women and girls are well recognised by the international community as demonstrated by UN Security Council Resolution UNSCR 1325 on Women Peace and Security and subsequent resolutions Similarly the development community has identified gender differentiated impacts upon women and girls as a result of the effects of climate change Current research and analysis has reached no consensus as to any causal relationship between climate change and armed conflict but certain studies suggest an indirect linkage between climate change effects such as food insecurity and armed conflict Little research has been conducted on the possible compounding effects that armed conflict and climate change might have on at risk population groups such as women and girls *Armed Conflict Women and Climate Change* explores the intersection of these three areas and allows the reader to better understand how military organisations across the world need to be sensitive to these relationships to be most effective in civilian centric operations in situations of humanitarian relief peacekeeping and even armed conflict This book examines strategy and military doctrine from NATO the UK US and Australia and explores key issues such as displacement food and energy insecurity and male out migration as well as current efforts to incorporate gender considerations in military activities and operations This innovative book will be of great interest to students and scholars of international relations international development international security sustainability gender studies and law

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