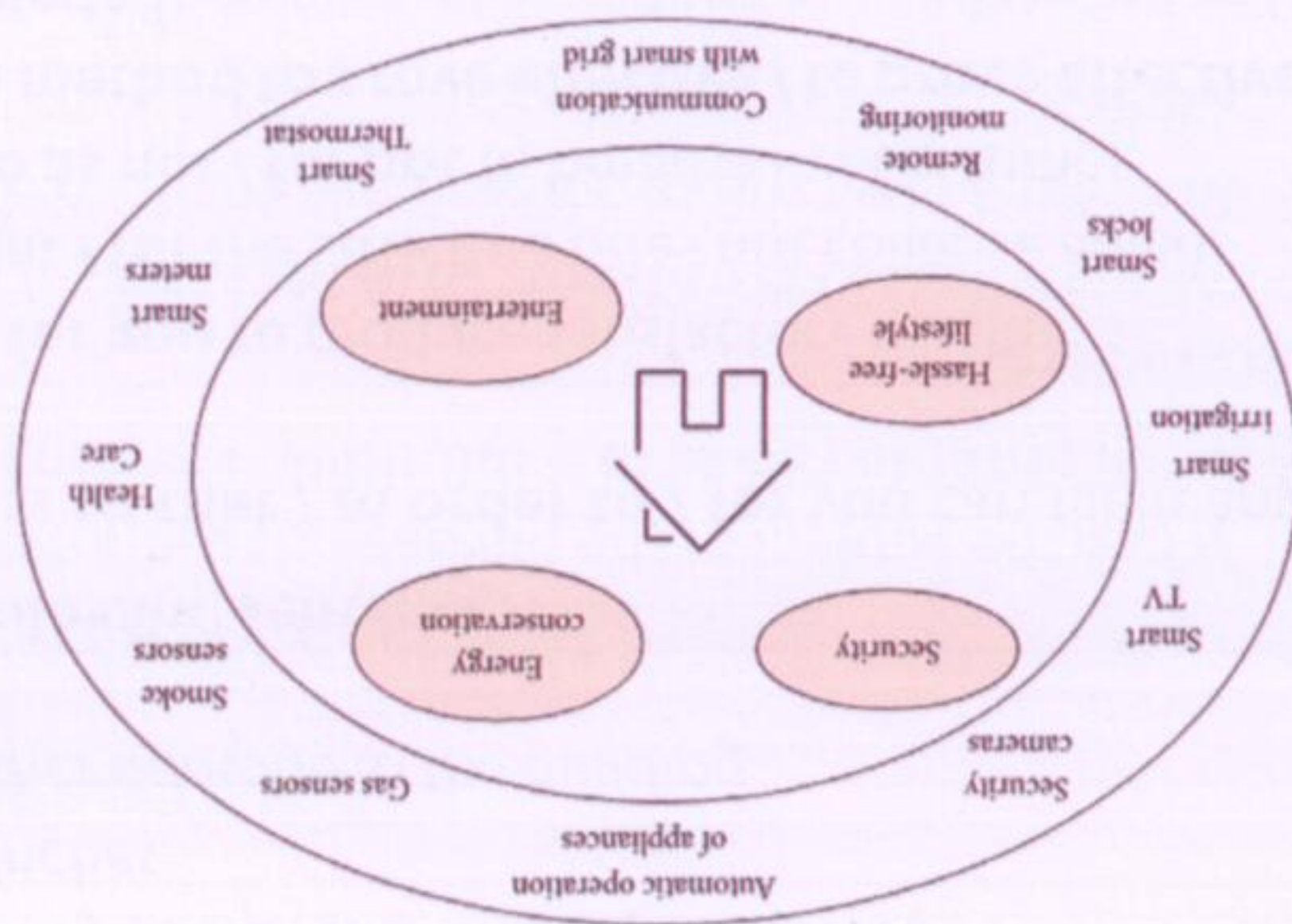


Reading 2

You are going to read an extract taken from the Introduction section of a review research article published in the journal *Applied Science* in April 2022. Before you do so...

a) Have you ever heard of the term *Internet of Things*? What do you think it involves? Discuss in pairs/groups.

b) Look at the following images and describe what they depict. What is the main difference between the first and the second one?



A Systematic Review of Internet of Things Adoption in Organizations: Taxonomy, Benefits, Challenges and Critical Factors

Sehnaaz Ahmetoglu, Zaihisma Che Cob, and Nor' Ashikin Ali

Introduction

The Internet of Things (IoT) ushered in a new industrial revolution (Industry 4.0), resulting in radical changes across all industries [1]. IoT has differentiated itself from other technologies by incorporating smart features that enable it to sense, collect, communicate, and analyze massive amounts of data from various internal and external sources across a global network [2]. These features have attracted various sectors to adopt IoT, including healthcare, agriculture, transportation, oil and gas, manufacturing, supply chains, and logistics [3,4]. By 2025, the economic influence of IoT is expected to reach between \$3.9 and \$11.1 trillion; at that point, the value of such influence will equal approximately 11% of the global economy [5]. Thus, IoT technology enables all sectors to shift from traditional to smart business environments.

IoT can be described as a network comprising several connected nodes that depend on sensory, transmission, and information processing technology that communicate with each other as smart components to achieve a specific goal using the Internet as a communication medium with no time and space constraints [2,6,7]. According to the International Telecommunication Union (ITU-T), IoT is "a global infrastructure for the information society, enabling advanced services by interconnecting (physical and virtual) things based on existing and evolving interoperable information and communication technologies [8]".