An artificial environment, which has been lately appeared before us, has various affects to human beings. The purpose of this study is to clarify the physiological polymorphism of the human responses to some artificial environments. It is estimated that human beings first appeared in Africa approximately 5 to 7 million years ago, and we have evolved within a natural environment for most of this period. Therefore, we have adapted to the natural environment, but not yet fully adapted to the artificial environment. Especially, we don’t have adaptability at all to the latest artificial lighting, thermal, and sound environments, which have been newly developed in few decades. Our physiological responses to those artificial environments have wide variations, and don’t show a definite pattern. We plan to measure some autonomic nervous, central nervous, and thermoregulatory functions of human subjects in the artificial lighting, thermal, and sound environments, and to manifest the physiological polymorphism of the human responses.