DIFFERENCES IN VOWEL AND CONSONANT SYSTEMS IN ENGLISH AND RUSSIAN LANGUAGES

Ruzimova Lazizabonu Nurbekovna

3rd year student of the specialty: Philology and language learning: English language, Uzbekistan National University named after Mirzo Ulugbek

ABSTRACT

This article explores the differences in the vowel and consonant systems of the English and Russian languages, highlighting their unique phonetic features. English, with its extensive vowel inventory, diphthongs, and aspiration, contrasts sharply with Russian, which is characterized by a simpler vowel system, vowel reduction, and palatalized consonants. These distinctions create specific challenges for language learners, such as mastering vowel length in English or palatalization in Russian. By analyzing these differences, the article provides valuable insights into the phonetic structures of both languages and their implications for linguistic studies and language learning.

Languages serve as the bridge for communication, and their phonetic systems—vowels and consonants—play a crucial role in this process. English and Russian, despite being globally significant, exhibit striking contrasts in their vowel and consonant systems. These differences not only influence how the languages sound but also create unique challenges for learners. Let us delve deeper into these distinctions [3, 167-174].

To begin with, English has one of the richest vowel systems in the world, with approximately 20 vowel sounds. These include 12 monophthongs (pure vowel sounds) and 8 diphthongs (gliding vowels). For example, English monophthongs like /ɪ/ in sit and /iː/ in seat differ primarily in length and quality. Similarly, diphthongs like /aɪ/ in like and /eɪ/ in day involve a glide from one vowel sound to another. This variety makes English vowels highly nuanced and often challenging for non-native speakers.

In stark contrast, the Russian vowel system is much simpler, with only five monophthongs: /a/, /e/, /i/, /o/, and /u/. Although this might seem straightforward at first, Russian vowels are dynamic due to the phenomenon of vowel reduction. When vowels appear in unstressed syllables, their pronunciation becomes less distinct. For instance, the Russian word молоко (milk) is pronounced as [məɫɐˈko], where the second /o/ reduces to a schwa-like sound [ə]. This feature can be challenging for English speakers, who are accustomed to maintaining vowel clarity regardless of stress.

Moreover, English vowels are heavily influenced by regional accents, which adds to their complexity. For example, the pronunciation of /æ/ in cat may vary between American English

and British English. Russian, on the other hand, maintains a more standardized pronunciation across dialects, particularly in vowels.

Another key difference lies in diphthongs. English speakers frequently use diphthongs, such as /oʊ/ in go, while Russian lacks true diphthongs altogether. Instead, what may appear as vowel combinations in Russian, like я (/ja/), are articulated as separate sounds rather than as a smooth glide.

Moving from vowels to consonants, we notice another stark contrast. English has 24 consonant sounds, many of which are shared with other Indo-European languages. These include sounds like the th sounds (/θ/ in think and /ð/ in this), which are rare outside of English. The language also features voiced and voiceless pairs, such as /p/ and /b/ or /k/ and /g/, which are fairly common in global languages.

Russian, on the other hand, boasts a robust consonant system with 36 sounds. A defining feature of Russian consonants is palatalization, a process in which most consonants have both hard and soft forms. For example, the Russian /t/ in там (there) is hard, while /tʲ/ in тёплый (warm) is soft. This softening involves a simultaneous raising of the tongue toward the hard palate and is a key element of Russian pronunciation. Notably, this distinction can change the meaning of a word, making it essential for Russian speakers and learners to master [5, 69-102].

Additionally, Russian has unique consonant clusters that can be challenging for English speakers. Words like встретить (to meet) contain consonant sequences that are rarely found in English. In contrast, English prefers simpler consonant clusters, which are often broken up by vowel insertion when borrowed into Russian.

Furthermore, aspiration is another significant difference. In English, voiceless stops like /p/, /t/, and /k/ are aspirated at the beginning of stressed syllables, as in pie, tie, and kite. Aspiration gives these sounds a breathy quality. Russian, however, does not use aspiration at all, making these English sounds appear strange or exaggerated to Russian speakers.

For learners, these phonetic differences present unique obstacles. On one hand, English speakers learning Russian often struggle with mastering palatalization, as English lacks this feature entirely. Words like мать (mother) and мать with a palatalized final consonant feel unnatural to them. On the other hand, Russian speakers learning English frequently have difficulty distinguishing between vowel length, such as /iː/ in sheep and /ɪ/ in ship, as this contrast is absent in Russian.

Moreover, the absence of the th sounds (/θ/ and /ð/) in Russian means that Russian speakers often substitute them with /s/, /z/, or /t/, leading to accents that are distinctly noticeable. Conversely, English speakers may struggle with Russian's consonant-heavy words, which often involve sounds unfamiliar to them.

Conclusion. In summary, the vowel and consonant systems of English and Russian highlight the fascinating diversity of phonetics in global languages. English is marked by its complex vowel inventory and frequent use of diphthongs, while Russian stands out for its vowel reduction and palatalized consonants. These differences not only shape the sound of each language but also influence the experiences of language learners. By understanding these contrasts, one can better appreciate the linguistic richness of both languages and develop strategies for mastering their phonetic intricacies.

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