

## Phonetics Exercises

### Consonants

1. Describe the following consonants, using only the parameters that are needed.

<b>p</b>	<b>unvoiced/voiceless bilabial plosive/stop</b>	<b>ɹ</b>	<b>alveolar approximant</b>
<b>z</b>	<b>voiced alveolar fricative</b>	<b>w</b>	<b>labial/velar approximant</b>
<b>θ</b>	<b>unvoiced interdental fricative</b>	<b>ð</b>	<b>voiced interdental fricative</b>
<b>f</b>	<b>unvoiced labiodental fricative</b>	<b>r</b>	<b>alveolar trill/roll</b>
<b>j</b>	<b>palatal approximant</b>	<b>ʒ</b>	<b>voiced postalveolar fricative</b>
<b>l</b>	<b>alveolar lateral approximant</b>	<b>g</b>	<b>voiced velar plosive/stop</b>
<b>k</b>	<b>unvoiced velar plosive/stop</b>	<b>ŋ</b>	<b>velar nasal</b>
<b>ʃ</b>	<b>unvoiced postalveolar fricative</b>	<b>ɾ</b>	<b>alveolar flap</b>
<b>t</b>	<b>unvoiced alveolar plosive/stop</b>	<b>v</b>	<b>voiced labiodental fricative</b>
<b>ʔ</b>	<b>unvoiced glottal plosive/stop</b>	<b>b</b>	<b>voiced bilabial plosive/stop</b>

And you can do these as a bonus using the chart on p. *Error! Bookmark not defined.* or an IPA chart:

<b>x</b>	<b>unvoiced velar fricative</b>	<b>ʁ</b>	<b>voiced uvular fricative</b>
<b>ç</b>	<b>unvoiced palatal fricative</b>	<b>ɦ</b>	<b>voiced glottal fricative</b>
<b>ʈ</b>	<b>unvoiced retroflex plosive/stop</b>	<b>ɔ̹</b>	<b>bilabial velaric click</b>

2. Transcribe the following consonants

<b>voiced bilabial plosive</b>	<b>b</b>	<b>voiceless postalveolar fricative</b>	<b>ʃ</b>
<b>voiceless velar plosive/stop</b>	<b>k</b>	<b>alveolar lateral approximant</b>	<b>l</b>
<b>bilabial nasal stop</b>	<b>m</b>	<b>alveolar trill/roll</b>	<b>r</b>
<b>alveolar flap/tap</b>	<b>ɾ</b>	<b>unvoiced glottal stop</b>	<b>ʔ</b>
<b>voiced labio-dental fricative</b>	<b>v</b>	<b>voiced velar stop/plosive</b>	<b>g</b>
<b>voiced interdental fricative</b>	<b>ð</b>	<b>voiceless interdental fricative</b>	<b>θ</b>
<b>voiced postalveolar fricative</b>	<b>ʒ</b>	<b>labial-velar approximant</b>	<b>w</b>
<b>voiceless alveolar stop/plosive</b>	<b>t</b>	<b>velar nasal stop</b>	<b>ŋ</b>

And you can do these as a bonus using the chart in Table 3-5 The pulmonic vowels in IPA, p. *Error! Bookmark not defined.* or an IPA chart:

<b>retroflex approximant</b>	<b>ɻ</b>	<b>retroflex alveolar lateral approximant</b>	<b>ɭ</b>
<b>voiceless palatal fricative</b>	<b>ç</b>	<b>voiceless velar fricative</b>	<b>x</b>
<b>voiceless bilabial fricative</b>	<b>ɸ</b>	<b>labiodental approximant</b>	<b>ʋ</b>

### 1.1.1. Vowels

5. Describe the following vowels based on the Standard Lexical Sets. Where possible/applicable put the corresponding or nearest Cardinal Vowel number in the last column

SLS	IPA RP	IPA GenAm	lip position	height	front – back	closest CV Nr
BATH	<b>ɑ:</b>	<b>æ</b>	<b>unrounded</b>	<b>low /below mid-low</b>	<b>back /front</b>	<b>5 /4</b>
CLOTH	<b>ɒ</b>	<b>ɔ</b>	<b>rounded</b>	<b>low/ mid-low</b>	<b>back</b>	<b>5 /6</b>
CURE	<b>ʊə</b>	<b>ʊ.ɪ</b>	<b>rounded – unrounded</b>	<b>rel. high to central / rel. high</b>	<b>back</b>	<b>8</b>
DRESS	<b>e/ɛ</b>	<b>ɛ</b>	<b>unrounded</b>	<b>mid-low</b>	<b>front</b>	<b>3</b>
FLEECE	<b>i:</b>	<b>i</b>	<b>unrounded</b>	<b>high</b>	<b>front</b>	<b>1</b>
FOOT	<b>ʊ</b>	<b>ʊ</b>	<b>rounded</b>	<b>rel. high</b>	<b>back</b>	<b>8</b>
FORCE	<b>ɔ</b>	<b>o.ɪ</b>	<b>rounded</b>	<b>midlow /mid-high</b>	<b>back</b>	<b>6</b>
GOOSE	<b>u:</b>	<b>u:</b>	<b>rounded</b>	<b>high</b>	<b>back</b>	<b>8</b>
KIT	<b>ɪ</b>	<b>ɪ</b>	<b>unrounded</b>	<b>rel. high</b>	<b>front</b>	<b>1</b>
LOT	<b>ɒ</b>	<b>ɑ</b>	<b>rounded /unrounded</b>	<b>low</b>	<b>back</b>	<b>13/5</b>
NORTH	<b>ɔ:</b>	<b>ɔ.ɪ</b>	<b>rounded</b>	<b>mid-low</b>	<b>back</b>	<b>6</b>
NURSE	<b>ɜ:</b>	<b>ɜ.ɪ</b>	<b>unrounded</b>	<b>mid</b>	<b>central</b>	<b>--</b>
PALM	<b>ɑ:</b>	<b>ɑ:</b>	<b>unrounded</b>	<b>low</b>	<b>back</b>	<b>5</b>
START	<b>ɑ:</b>	<b>ɑ.ɪ</b>	<b>unrounded</b>	<b>low</b>	<b>back</b>	<b>5</b>
STRUT	<b>ʌ</b>	<b>ʌ</b>	<b>unrounded</b>	<b>mid-low</b>	<b>central</b>	<b>(14)</b>
THOUGHT	<b>ɔ:</b>	<b>ɑ:</b>	<b>rounded/unrounded</b>	<b>mid-low /low</b>	<b>back</b>	<b>6/5</b>
TRAP	<b>æ</b>	<b>æ</b>	<b>unrounded</b>	<b>rel low</b>	<b>front</b>	<b>4</b>

6. Group the following words from the Standard Lexical Set with diphthongs according to the articulatory position where they “end up”.

CHOICE, FACE, GOAT, MOUTH, NEAR, PRICE, SQUARE

final vowel position	<b>front high</b>	<b>central</b>	<b>high back</b>
examples of standard lexical set	<b>CHOICE FACE, PRICE</b>	<b>NEAR SQUARE</b>	<b>GOAT MOUTH</b>

### 1.1.2. Transcription Practice

7. Write the following transcribed words (RP) in orthographic script:

faʊn'deɪʃən	<b>foundation</b>	ɹəʊ'mæntɪsɪzəm	<b>romanticism</b>
dɜ:mə'tɒlədʒɪ	<b>dermatology</b>	'su:pətʃɑ:dʒ	<b>supercharge</b>
sə'tɪfɪkət	<b>certificate</b>	mæg'nænɪməs	<b>magnanimous</b>
'leɪmbreɪn	<b>lame brain</b>	'su:ðɪŋ	<b>soothing</b>
ɹɪ:'raɪt	<b>rewrite</b>	həʊmɪəʊ'pæθɪk	<b>homeopathic</b>
'sækləʊd	<b>sackload</b>	'fə:fɑ:ðə	<b>forefather</b>
'kɹɑʊdɪd	<b>crowded</b>	məʊ'tɪ:f	<b>motif</b>
'θɜ:məsflɑ:sk	<b>thermosflask</b>	nju:'tɹɪʃəs	<b>nutritious</b>
əb'stɹʌkt	<b>obstruct</b>	'tɹɑʊzəz	<b>trousers</b>
sɛmɪ'skɪmd	<b>semi-skimmed</b>	hætʃɪt dʒɒb	<b>hatchet job</b>

8. Transcribe the following words, using GenAm or RP vowels depending on your accent.

houses	<b>'haʊsɪz</b>	goatee	<b>gəʊ'ti:</b>
stones	<b>stəʊnz</b>	absolution	<b>əbsə'lju:ʃən / lu:ʃn</b>
flight plan	<b>flaɪt plæn</b>	think	<b>θɪŋk</b>
far-fetched	<b>fɑ: fətʃd</b>	slobbering	<b>'slɒbəɪŋ</b>
hardball	<b>'hɑ:dbɔl</b>	motherhood	<b>'mʌðəhʊd</b>
thesis	<b>'θi:ɪz</b>	bloodstain	<b>'blʌdsteɪn</b>
bother	<b>'bɒðə</b>	bass guitar	<b>beɪs gɪ'tɑ:</b>
freedom	<b>'fɹi:dəm 'fɹi:dm</b>	fetching	<b>fetʃɪŋ</b>
fridge	<b>fɹɪdʒ</b>	vividness	<b>'vɪvɪdnəs</b>
shoeshine	<b>'ʃu:ʃaɪn</b>	queen	<b>kwi:n</b>