Class Voice Reading Worksheet The Singing Book, Chapters 7 & 8

The shighing book, chapters 7 & 0
1. Always look at the first to give you vital clues to
how the body functions.
2. Skeletal create movement of the body – not ligaments and membranes. When a muscle, a joint changes position. Any move we make takes a of intent from the brain The muscle then or The body needs to replace
with appropriate muscle use.
3. To determine the action of a muscle, you need to know where it is and in which direction the fibers are running. Again, muscles only to create action. (They do push or expand.) In general, muscles are named according to where they are in the body, their, or their
4. In order for muscles to and move a joint in one direction, muscles on the opposite side of the joint must When muscles don't let go (relax) when they're supposed to, there is restriction of movement. A tug-of-war between opposing muscles creates muscular When this kind of antagonism is used to stabilize a joint to help its performance, it is known as It is unwanted that creates problems.
5. Freeing your body is not just for singing; it has a direct relationship to your physical
, and image A balanced, free, and body is fundamental to efficient vocal production and lovely vocal quality. The alignment of the breathing mechanism – the, the voice box (), and throat () – is the starting point for healthy singing.
6. One habit that drains energy is the head rather than aligning it over the shoulders Experts in physical function, including those who study biomechanics and other techniques such as Alexander, have agreed on the following description of good posture. When a plumb line is dropped beside you, it falls through the, the point of the, the highest part of the, just behind the, and barely in front of the, (see Fig. 7.1)
7. Know the "Guidelines for Good Physical Balance" on p. 262.
8. Do all the "Finding out for yourself" activities always, as well as the "More ways to improve your alignment" on p. 263.
9. Breath is the essence of life and, and normally breathing is a process More physical activities (like singing) require more
breath, however, you may need less air than you think for singing, particularly when your

Name: _____

and the	of muscle use and
are maintained.	
10 Airflowing constitutes of	hotewoon the management of the
10. Airflow is a matter of	
	the chest For now, remember
the two most important things: (1) use	
	ing, and (2) keep the air
rather than attempting to hold it back.	
11. Subconsciously, we take about	breaths a day. When we become
of the need to take	in air while singing, we can develop many
and worri	
12 Efficient breath is not just for "	singing; pop singers could
	ir breathing as well People breathe in many ways
	and physical health. However, for singing, there are
only and	ways of breathing.
13. Know the seven pointers for "Effici	ent Breathing" on p. 265. Also be able to identify the
parts of the skeleton in Fig. 8.1 (Rib case	ge), as well as the anatomy illustrated in Figs. 8.2A,
8.2B, and 8.3.	
14. The (check	your spelling!) is the most important muscle of
	nd acts as a partition between the chest and the
	tracts, it moves, displacing the
lower and the	and soft structures below it.
15. The action of the dianhragm causes	s the abdomen to and the lower
	This abdominal expansion is caused by organs being
displaced and has often caused people	toit for the diaphragm itself.
When the hody is in good alignment, th	nis action will happen easily without specific
attention being paid to the diaphragm.	
) are often mentioned as
contributing to inhalation and exhalati	on. However, they are most effective as
of the ribs	. All these muscles seem to work very well when we
arewell.	
17. Ideally, singers think first of	, and then of allowing the
to be a	action Exhaling during the
	ng a breath a beat or two just before
you sing is a more secure approach.	
18. Exhalation during minimal physica	l activity is a simple matter of releasing the muscles
) and letting the
	gravity do the rest (accomplished subconsciously).
	, and it is
best accomplished by the muscles of th	ne
- · · · · · · · · · · · · · · · · · · ·	

19. The abdominal muscles form a kind of	around the abdomen and
are located in the best place to facilitate breathing	
The r	nuscles that form the abdominal
tend to work as a	for breathing. They
and cause the abdominal contents (
diaphragm, thus helping the diaphragm to	
send air of the lungs.	
20. Where the singer chooses to activate the abs is	very important. The most efficient area
is the one near the pelvis. Contrac	ting the muscles in this area sends
pressure toward the and	d lower
from below Inefficient use of the muscles of extended to transfer to the	nalation can cause unwanted
The better you maintain your alignment, the easie	r it will be to use the more effective
lower part of the abdomen for Co	
release too quickly and you will pay the price by	
21. Easy days in singing occur when the	
work as a unit rather than fighting each other. Achi	
to sing, resulting in a "high" or being in the singing	"zone," which is satisfying.
22 A	and the state of the state of
22. A number of things are happening when the co	
of pressures in the abdomen, of	
(), and in the	that help the singer maintain
steady appropriate to the music singled at (1) the lower appropriate to the music sentrage.	
include: (1) the lower contracti	
the back, slowing the return of the	
meeting resistance of the	
keeping a certain amount of pressure in the chest a	
the exhaled air hitting the,	and
moving back toward the vocal folds to create	
mouth. These pressures are the product of coordin	
and (Understand Fig. 8.5?) All o	
together (think of Functional Unity Fred) and it wil	
that happens when yo	u sing weil.
23. Avoid by maintainin	g the thought of an
	ng. Don't gasp your
breathing pipe. Take in just as much air as you nee	
the "Finding Out for Yourself" activities!!!	a and ase an or a remember to at all th
the rinding out for roursell activities	

Class Voice Reading Worksheet Name: The Singing Book, Chapter 9, pp. 272-279 1. Sound is made and amplified in the _____, which consists of the voice box (_____) and throat area all the way up to the _____ (and the nose, for nasal sounds). 2. The initiation of the voiced sounds we make comes from the vibration of two _____ of muscle, housed in the larynx (______) that sits on top of the windpipe (______). These folds are commonly (and incorrectly) known as the "vocal cords." [Note: memorize Figs. 9.1 and 9.2. See the videos on my blog to aid your understanding of vocal anatomy and physiology: https://gemmell-posts.com/2017/03/03/the-anatomy-of-the-larynxvideos/ 3. The larynx consists of several _____ and is a housing for the vocal folds that are ____ by ____ from the lungs. The sound is then modified and _____ by _____ in the "vocal tract" (the _____ or throat and mouth)....The number of times the vocal folds vibrate per second determines the . For example, for A 440 (the A immediately above middle C), the folds vibrate 440 times [or cycles] per second [or "cps"]. 4. The larvnx is suspended and supported in the neck from in front, behind, above and below by groups of ______ when we swallow and speak. The connections of the larynx and how it operates involves a complex relationship with the throat (______, soft _____, tongue, jaw, neck, and _____. The interaction of all these factors contribute to laryngeal efficiency and affect 5. The vocal folds act as a sensitive _____ and guardian for preventing foreign material from entering the lungs. Read about how they function here. 6. Main structure of the larynx consists of four cartilages and a bone: a. Cricoid b. Two arytenoids c. Thyroid cartilage d. Hyoid bone -

_____. To breathe, they need to ______. To create higher pitches, the vocal

folds must be able to ______. To accomplish all this some small muscles do a lot of work

7. Muscles of Phonation. To make sound, the vocal folds need to

without our having to	much about it. A	vocal fold consists of a m	uscle: <i>Vocalis</i> or
Thyro-arytenoid. The muscle is cove			
inside edge of each fold known as the vocal folds are	ne	Ge	nerally speaking,
the vocal folds are	_ and	_ when relaxed or singir	ng on low notes;
they are as you	move higher in pitc	h. [Again, please see video	os on blog!!!]
8. On the back of the cricoid cartilag (them) for bread (them).	thing They are c	alled the <i>posterior crico-a</i>	rytenoids (See Fig.
9. It takes two sets of muscles to ful These muscles are called the <i>lateral</i> arytenoids (vocal processes) togeth However, the meeting is not complete where air can escape. To complete the slide toward each other and are a group called the <i>interarytenoid</i>	crico-arytenoids. Wher causing the vocal ete; this leaves a smathe process and ensute	hen they contract they sw folds to i ll chink between the aryture a clear, clean sound, th	ing the front of the n the center. enoid cartilages se arytenoids must
10. The vocal folds are create higher pitches. Muscles are in and create the stretch. The running from the front of the cricoic cartilage forward and cricoid backw folds are not stretched, they are thic " " voice). When to called " " voice). It is "muscular arguments" (sound.	n place to cause the t of muscles that d to the thyroid. Whe yard a little, creating ck. This produces the the folds are stretches is when you sing the	chyroid and cricoid cartila at perform this task are the en they contract they tilt to a pull on the vocal folds. e low, heavier sounds (so ed, the sounds are higher high notes with a very he	ges to move apart e cricothyroids, he thyroid When the vocal metimes called and lighter (often eavy sound that
11. Read, learn and digest the next s	section carefully, "A l	Note About Pitch."	
12. The initiation of vocal sound is cound, the vocal folds need to touch This happens when the muscles of of sound are pressure, they can beat on each othe). The sound the abuse like this can cause growths on	each otherer and create little exists makes is usually t	and _, the When the folds clos xplosions of sound (ight and irritating to the o	 , and the e with a lot of
13. Inefficient coordination can also			This hannens
when the folds do not close well and			
sound for some popular styles, but a		=	
And do not confuse breathiness and			
14. Read carefully the next sections: Sound." Be ready for any questions			and "Straight

Chapter 10: Voice Quality and Resonance

1. Sound is initiated in the larynx, but the depends upon the of the pharynx, which is highly and capable of forming many different shapes. Each variation will cause your voice to produce a different voice (or tone color (timbre)).
2. Pharynx serves a dual purpose: as an and passageway. For breathing, it is relaxed and spacious; for swallowing it closes around the food and squeezes it down into the esophagus.
3. When you swallow, the whole pharynx is pulledand narrowed tofood down, which brings the larynx up with it. Whole throat is short and narrow – not a good space for singing. When pharynx muscles relax, the space is and – optimum for the most resonant and freely produced sound. In reality, people sing in many gradations between the open and closed throat.
4. The is a muscular sleeve-like structure that hangs from the base of the skull and attaches itself to various bone and cartilages along the way. It opens into the nose, the mouth, and the larynx, and then becomes completely and continues as the esophagus.
5. Anatomists and acousticians usually divide the pharynx into main sections: the nasal pharynx, the oral pharynx, and the laryngeal pharynx (see Fig. 10.1). Know the location of these areas and be able to identify them on a diagram. These three areas are continuous but are usually described separately to help explain the structures better.
6. The pharynx is located between the base of the skull and soft palate. The soft palate (the soft part located at the end of your hard palate) can move up and close off the nose as in making non-nasal sounds or swallowing, and it can be lowered for nasal sounds or breathing.
7. The pharynx begins at the level of the soft palate and continues to the level of the middle of the epiglottis near the back of the tongue. This area is most and subject to many different shapes. Because the soft palate can move up and down and your tongue and larynx can move as well, the oral pharynx can get taller, wider, narrower, short, etc. This is the place where of your resonance occurs.
8. The pharynx is the area from the middle of the epiglottis to the lower border of the cricoid cartilage. It is the area credited with contributing to the part of the voice responsible for its power, often referred to as the "" of the voice.
9. Bones and Cartilages to Which the Muscles of the Pharynx Attach. In Fig. 10.2, you should know and be able to identify the following: a. Outline of hard palate b. Styloid process c. Styloid-hyoid ligament

- d. Hyoid bone e. Thyroid cartilage f. Cricoid cartilage

contract and narrow the ba	ick of the throat	in order to squeez	e the food dowr	n. The larynx
to cause these actions to ha				_
the least stable area - in thi	is case, the back	of the throat - and	l cause a narrov	ving of the
throat. Release or	these mu	scles to have a wid	le,	pharynx.
11. Soft palate. Not consider are linked intricately. Soft production, to efficient vocal production, to nose and causing an unward creates more resonance spanasal consonants or sounds sound.]	palate is very f the nose to pre the palate does to nted nasal resona ace n the throat.	ar vent food from en he same thing to p ance Palate will be low	nd capable of mo tering the nasal prevent air from of the soft ered during into	oving up and passages. In going into the palate also entional use of
12. Muscles of the soft pala and two below it. There is a and a pair that a fold that forms an arch withe <i>palatoglossus muscle</i> .	a pair of muscles it (<i>tensor pale</i> ith the	that ate). See Fig. 10.4.	_ the palate (<i>lev</i> On each side of	vator palate) your tongue is
13. The an a singer has the habit of ter the soft palate can be preveantagonist to the <i>levator p</i>	nsing the tongue ented from going	or pulling it down gup because the <i>po</i>	in the back to raclatoglossus is a	nake sound, cting as an
14. Relationship between P between skull, jaw, hyoid the muscles of the pharynx the neck. They are in positi jaw pushes larynx are put at a disadvar	bone, and laryn and the position on to respond ea , this a	1x . When these str n of the larynx is _ asily to what is ask	ructures are in _ s ced of them. Who	suspended in en the head or
15. Acoustic Deception. How sound can be very different bones act as around your throat can be is why "outside feedback" (t. Reason: you ha of vib noisy and decep	ive so much feedba rations. Larynx bu tive. Your audienc	ack inside of you zzes, and sound e does not hear	ur head. Your l bouncing all of this! This
16. Even Tone. Many singer		ssical ones (bel car ranges: creating a		reate beautiful,

sound from top to bottom!! Trying to do this by exerting excessive control over everything in the throat and mouth results in an even sound inside the head and an uneven or one to the listener. With and pure vowels your voice will be consistent throughout.
17. Your expression and vocal color () will respond to your understanding of the text and to your and energy. Focusing on and deeply understanding your message will go a long way toward crating the vocal effects you want—whether they are dark, bright, light, or heavy. You can sing any song in a variety of characters—old, young, kind, queen, witch, or any other you desire.
18. A resonator needs to be and have an opening for the sound to escape. In singing, your throat acts as the primary with help from the nose (nasal sounds) and mouth.
19. Tension is the main problem associated with the pharynx. Tension will the space of the throat and cause the larynx to under the tongue. Misalignment of the head and shoulders is another major contributor to poor tone quality and to potential vocal damage.
20. You speaking voice needs the same careful that you give to your singing. Using good speaking habits may feel to you at first, but keep working at it!

Class Voice Mid-Term Exam Vocabulary Review Sheet

Introduction: Getting Started/Chapter 1: The First Steps to Singing Easily

Singing if fun, joyful, imaginative, exciting, and satisfying

Singing = any sustained sound you make with your voice

Balance intellect, feeling, emotion, and intuition

Human beings are meant to sing

Think positively

Importance of "inner child" and use of your right brain

Technique serves message

Physical balance or a state of readiness

Self-perception: how we think we look and how we actually look can be very different

Breathing for singing needs to be accomplished easily and deeply

Stay present at all times. What is "staying present?"

Chapter 2: Preparing to Sing

Focusing

Movement

Rib stretches

Cross Crawl

Lazy 8's

Energy yawn

Warming up your voice

Chapter 3: Selecting Music to Sing

Range vs. tessitura

Melody (legato and staccato)

Text

Rhythm

Do you like it?

Chapter 4: Learning Music Efficiently

First, the words

Second, the rhythm

Third, the melody

Finally, putting it all together

Chapter 5: *Practice Habits*

It would be ideal for you to spend 30 to 45 minutes practicing per day. However, 10 focused minutes is better than nothing. At the very beginning, it causes more harm than good for you to sing more than 45 minutes.

Practicing in a small room. Not optimal, as you will minimize your sound to fit the room. Checklist for practice session

Chapter 6: Performing

Your perception of your performance vs. the audience's perception Best reply to audience comment about your performance?

Nerves

Presence

The Message

Chapter 7: Muscles and Physical Balance

Muscles vs. ligaments vs. membranes

How do muscles work?

How are muscles named?

Antagonism vs. synergy

Importance of: alignment, flexibility, freedom

What is good posture, alignment, balance?

Chapter 8: Breathing

Atmospheric pressure, the rib cage, lungs, diaphragm, etc.

Pointers for efficient breathing

Diaphragm (major muscle of inspiration): location, how it works, etc.

Abdominals (major muscles of exhalation): location, how they work, etc.

Intercostals

Elastic recoil

What are the results of poor breath management?

What are the results of good breath management? (be specific)

Chapter 9: Making Sound [Phonation]

Vocal tract

Larynx

Anatomy of Larynx

Soft palate

Vocal folds/vocal cords

Adam's Apple

Trachea

Esophagus

Pharynx

Pitch, c.p.s.

Extrinsic muscles

Intrinsic muscles

Connections of the larynx as related to pharynx, soft palate, tongue, jaw, neck, chest

Vocal folds = sensitive valve

Cricoid cartilage

Two arytenoid cartilages

Thyroid cartilage

Hyoid bone

Muscles of phonation and how they work

Vocalis or Thyro-arytenoid

Vocal ligament

Abduct

Posterior crico-arytenoids

Adduct

Lateral crico-arytenoids

Front of the arytenoids (vocal processes)

Interarytenoids

Cricothyroids

"Chest" voice

"Head" voice

Antagonism ("muscular arguments")

"A Note About Pitch," p. 276

Onset or attack

Glottal attack

Nodules

Breathy phonation vs. hoarseness

"The Initiation of Sound," p. 276

"Quality Within the Vocal Range," p. 277

"Vibrato," p. 278

"Straight Sound," p. 279

Chapter 10: Vocal Quality and Resonance

Pharynx

Voice quality (tone color; *timbre*)

Purpose of pharynx; how it works for swallowing vs. singing

Esophagus

Three main sections of pharynx (nasal, oral, laryngeal)

Carrying power of the voice; "ring"

Anatomy of Pharynx

Constrictors

Soft palate

Levator palate

Tensor palate

Uvula

Palatoglossus muscle

Tongue

Relationship between pharynx and larynx, including skull, jaw, hyoid bone, etc.

Importance of alignment for freedom and flexibility

Acoustic Deception

Bones as conductors of sound

Even tone (consistent sound from top to bottom of range)

Importance of understanding/expressing text and use of imagination to promote appropriate

General nature of resonator: hollow with an opening for sound to escape

What are the signs of tension in pharynx/larynx?

Importance of giving attention to your speaking voice!!! Use good speaking habits!!